

Curriculum Vitae

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Personal Data

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Affiliations: Department of Biology
York University
Toronto, Ontario M3J 1P3

Centre for Vision Research at York University

Member of graduate programs at York University's Faculty of Graduate Studies:

Biology (Full Member)

Psychology (Full Member)

Electrical Engineering & Computer Science (Full Member)

Department of Electrical and Computer Engineering (Adjunct) Queen's University
Kingston, Ontario K7L3N6

Department of Psychology (Adjunct) at Queen's University

International Research Training Group (IRTG) "The Brain in Action" (Member)
(NSERC CREATE, German Research Foundation) Queen's University, York University,
University of Western Ontario, Justus-Liebig University Gießen, Philipps-Universität
Marburg.

Education

1980-1981 Philosophy, Johann-Wolfgang-Goethe Universität, Frankfurt

1983-1984 Apprenticeship in Farming, completing the "Landwirtschaftliche Gehilfenprüfung" at
the Landwirtschaftskammer Rheinland-Pfalz

1984-1987 Physics, Mathematics, Albert-Ludwigs Universität, Freiburg

1984-1990 Biology, Albert-Ludwigs Universität, Freiburg

1989 "Diplom-Arbeit"^a (Polarization Vision in Honeybees). Supervisor: Prof. Dr. S. Rossel

1990 "Biologie-Diplom"^a with a focus on Animal Physiology, Biophysics and Genetics
(grade: 1.1), Albert-Ludwigs Universität, Freiburg

- 1990-1994 PhD Program and Dissertation (Colour Vision in Blowflies).
Supervisor: Prof. Dr. K. Vogt (grade: summa cum laude^b), Albert-Ludwigs Universität, Freiburg.
- 1998 Habilitation^c and Venia legendi for Animal Physiologie at the Eberhard-Karls-Universität, Tübingen
- 1999 Habilitation^c and Venia legendi for Biopsychology at the Ruhr-Universität, Bochum

^a Most of my training took place in Germany. The German “Diplom” is equivalent to the North American Master degree. It involves a one year research project, the “Diplom-Arbeit”. Grades range from 1(best) to 6.

^b Grades for the Dissertation follow the old latin categories. “summa cum laude” is the highest possible grade which is awarded only rarely.

^c The German “Habilitation” is another promotion that was a requirement to become eligible for Full Professorship positions in Germany. After a number of years (typically 4 to 6) of postdoctoral research and teaching, the candidate had to document his/her scholarship by providing a board of external and internal senior professors with a dossier of collected publications and a cumulative teaching record. If the evaluation is successful, a “Venia legendi” is granted that specifies the area in which the candidate is considered an expert and licensed to teach.

Professional Experience

- 1994-1997 “Wissenschaftlicher Assistent” at the Max Planck-Institute for Biological Cybernetics in Tübingen, Germany.
- 1997-1999 Visiting Professor at the Department of Psychology, Queen’s University, Kingston, Ontario, Canada.
- April - Dec 1999 Consultant for Xerox PARC, Palo Alto, California
- 1999-2005 Research group leader at the Department of Psychology, Ruhr-Universität, Bochum, Germany
- since 2003 Director of the BioMotion Lab, Queen's University
- 2003 - 2008 Canada Research Chair in Vision and Behavioural Sciences (1st term)
- 2003 - 2008 Associate Professor at the Department of Psychology, Queen’s University, Kingston, Ontario
- 2004 - 2008 Associate Professor at the School of Computing, Queen’s University (cross-appointed)
- 2006 - 2018 Adjunct Professor at the Centre of Vision Research, York University
- 2008 - 2013 Canada Research Chair in Vision and Behavioural Sciences (2nd term)
- 2008 - 2018 Full Professor at the Department of Psychology, Queen’s University, Kingston, Ontario

2008 - 2018	Full Professor at School of Computing, Queen's University (cross-appointed)
2011 - 2018	Full Professor at the Department of Biology, Queen's University (cross-appointed)
2014 - 2018	Director of Queen's Biological Communication Centre.
Jan – June 2015	Visiting Professor at Max-Planck Institute for Intelligent Systems, Tübingen, Germany.
Nov – Dec 2015	Visiting Professor at Justus-Liebig University, Giessen, Germany.
Nov – Dec 2016	Visiting Professor at Justus-Liebig University, Giessen, Germany.

Honors, Awards, Grants

1989 - 1993	Member of the "Studienstiftung des deutschen Volkes" ^d
1990 -1993	Scholarship from the "Landes-Graduierten-Förderung" ^e
1994	Hans Spemann Award of the Albert-Ludwigs Universität, Freiburg for the best Ph.D. thesis in life sciences in that year.
1995	DAGM-Preis 1995 of the Deutsche Arbeitsgemeinschaft für Mustererkennung (German Association for Pattern Recognition) for: T. Vetter and N. Troje: Separation of texture and two-dimensional shape in images of human faces.
1997 - 1999	Feodor-Lynen Award from the Alexander-von-Humboldt Foundation ^f
1999	Research grant from Xerox PARC.
1999 - 2005	Nachwuchsgruppen Förderung (Young Researcher Award) from the Volkswagen-Stiftung ^g , equivalent to \$2,000,000 US for six years)
2002 - 2004	German Research Foundation (DFG) grant within SFB 509 (\$300.000 US for three years)
2003 - 2008	Canada Research Chair in Vision and Behavioural Sciences
2003	Infrastructure grant from Canada Foundation for Innovation (CFI) and Ontario Innovation Fund (OIT), together (\$500,000 US)
2004	Premier's Research Excellence Award (PREA, \$150,000 US)
2005	Ontario Distinguished Researcher Award
2005 - 2009	Associate of CIFAR group: Neural Computation and Adaptive Perception
2005 - 2010	NSERC Discovery Grant
2006	Queen's Chancellor's Research Award
2008 - 2009	NSERC E.W.R. Steacie Fellowship

2008 - 2013	Canada Research Chair in Vision and Behavioural Sciences (2nd term)
2009 - 2015	Senior Fellow of CIFAR group: Neural Computation and Adaptive Perception
2014	Humboldt Research Prize of the Alexander von Humboldt Foundation ^h
since 2018	Core Member of CFREF program "Vision: From Science to Application" (VISTA)

^d *The "Studienstiftung des deutschen Volkes" is the oldest and most prestigious German foundation for highly gifted students.*

^e *"Landes-Gradierten-Förderung" provides provincial funding for exceptional graduate students.*

^f *The "Feodor-Lynen Award" grants highly qualified German scholars from all disciplines the opportunity to carry out long-term research projects at institutions outside Germany. I used the award to spend two years at Queen's University.*

^g *The "Nachwuchsgruppen Förderung" of the Volkswagen Foundation used to be one of the most prestigious awards available in Germany. Every year from 1997 until 2003 between 8 and 10 young researchers were chosen across all academic disciplines and awarded with a very generous and flexible funding to set up and run a whole research group for up to 6 years. In fall 1999, I received the equivalent of \$2,000,000 US to set up an independent research group at Ruhr University in Bochum, Germany. As a group leader, I was granted the status of a Full Professor in the Department of Psychology.*

^h *The Humboldt Research Prize is a lifetime achievement award endorsed with a prize money of €60,000 and the invitation to visit a research institution in Germany.*

Teaching Experience

University of Freiburg

1990, 1991	Summer lab course (6 week courses): Orientation of honeybees: landmarks or cognitive maps?
1991, 1992	Animal physiology course, part: Colour vision
1992	Organisation of sensory physiology seminar course: Comparative colour vision

University of Tübingen

1994	Seminar course: Psychophysics of colorvision, together with C. Wehrhahn
1995	Seminar course: Orientation and navigation, together with D. Varju
1995	Biocybernetics course: Psychophysical methods
1996	Lab course: Psychophysics of cognitive processes
1996	Seminar course: Symmetry and symmetry detection
1996	Biocybernetics course: Psychophysical methods.
1997	Lab course: Psychophysics of cognitive processes

Queen's University

1999 Seminar course: Comparative sensory physiology

Ruhr-University Bochum

2000 Seminar course: Learning and memory

2000 Lecture course: Vision (Summerschool Neuroscience, Konstanz, Germany)

2001 Seminar course: Mechanisms of visual perception

2001 Seminar course: Cognitive neuroscience

2001 Lecture course: Brain science: From light to vision

2002 Seminar course: Cognitive neuroscience

2002 Lecture/Lab course: Scientific computing: An introduction into Matlab

2003 Lecture/Lab course: Motion analysis

Queen's University

2004 - 2006 Experimental Psychology: Sensation and Perception (PSYC 215)

2004 Advanced Special Topics in Cognitive Science (PSYC 971)

2005 Visual and Auditory Processes: Multisensory Integration (PSYC 921)

2005 - 2006 Advanced Perception Lab Course (PSYC 380)

2008 Directed lab course (PSYC 570): Pigeon operant conditioning

2009 Visual and Auditory Processes: Vision and Visual Illusion (PSYC 921)

2010 Foundations of Cognition and Perception (PSYC 833)

2010 Visual Perception of Human Motion (Summer School on Neural Computation and Adaptive Perception, Toronto)

2010 Directed reading course (PSYC 571): Depth ambiguity

2011 Vision: Mechanisms, Algorithms, Models (PSYC 921)

2011 Directed reading course (PSYC 571): Psychophysical approaches to the correspondence problem

2012 Visual Perception as Bayes'ian Inference (PSYC 970)

2013 Summer School in Computational Sensory-Motor Neuroscience, Queen's Univ.

2013 Visual and Auditory Processes: Classic Experiments (PSYC 921 and PSYC 420)

2011 – 2013 Brain, Behaviour, and Cognitive Science seminar (PSYC 811/812/907/908)

2016	Perception, Inference, Intelligence (PSYC 921 and PSYC 420)
2016 - 2018	Advanced perception (PSYC 380)
2010 - 2018	Experimental Psychology: Sensation and Perception (PSYC 215)
2017	Embodied Cognition (PSYC 834)

York University

2019	Current Topics in Biological Research (BIOL 3100)
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Administrative duties

2002 - 2003	Education Committee of the International Graduate School for Neuroscience, Ruhr-University, Bochum, Germany.
2004 - 2007	Education and Training Committee, Centre for Neuroscience Studies, Queen's University
since 2004	Animal Care Advisory Group, Dept. of Psychology, Queen's University
2005 - 2007	Library Officer, Department of Psychology, Queen's University.
2009 - 2010	Chair Animal Advisory Group, Dept. of Psychology, Queen's University
2010 - 2014	Chair of Graduate Program: Brain, Behaviour, and Cognitive Science, Dept. of Psychology, Queen's University
2012 - 2016	University Animal Care Committee, Queen's University
2017 - 2018	Chair of Graduate Program: Brain, Behaviour, and Cognitive Science, Dept. of Psychology, Queen's University
since 2018	Member of the Steering Committee of the Centre for Vision Research at York University

Other services

since 2009	Member of the Editorial Board of the journals Perception and iPerception
since 2009	Advisory Committee member for Viperlib (viperlib.york.ac.uk)
2008	Served as a judge on the Best Visual Illusion of the Year Contest
2009 - 2011	Associate Editor of the journal Frontiers in Perception Science
2012/13	Program committee member of the IEEE International Conference on Automatic Face and Gesture Recognition
2017	Co-organization of Matariki Spring School "High-Level Vision: From Mechanisms to Perception, University of Tübingen, April 10-13.

- 2017 Program committee member of CAPnet-CPS CAN-ACN Satellite Symposium “Perception, Action and their interaction: Data, Models and Dysfunction” Montreal, May 27.
- 2017 Organization of Annual Retreat of IRTG CREATE Graduate School “The Brain in Action”, Queen's University, August 14-19.
- 2017 Workshop “Motion Capture Technology”. Queen's University, August 21.

Reviewing referee for journals

acta psychologica

Biological Cybernetics

Cerebral Cortex

Cognitive Brain Research

Cognitive Science Society

Current Biology

Evolution and Human Behaviour

Gait and Posture

Human Movement Science

IEEE Computer Graphics and Applications

Journal of Comparative Physiology

Journal of Experimental Psychology:Animal Behavior Processes

Journal of Neuroscience

Journal of Neuroscience Methods

Journal of Vision

Laterality

Movement Science

Nature

Nature Communications

Nature Neuroscience

Neuroreport

Neuroscience Letters

Pattern Recognition
Perception & Psychophysics
PLoS Biology
Proceedings of the National Academy of Science
Proceedings of the Royal Society of London
Psychological Research
Psychological Science
Psychonomic Bulletin & Review
Science
Seeing and Perceiving
SIGGRAPH Asia
Vision Research
Visual Cognition
Zeitschrift für experimentelle Psychologie

Reviewing referee for funding agencies

Deutsche Forschungsgemeinschaft (DFG)
Canada Foundation for Innovation (CFI)
Canada Research Chair program
Israel Science Foundation (ISF)
National Science Foundation (NSF)
National Science and Engineering Research Council of Canada (NSERC)
The Wellcome Trust
Volkswagen Foundation

Current professional affiliations

Association for Computing Machinery (ACM)
Society for Experimental Biology (SEB)
Vision Science Society (VSS)

Canadian Society for Brain, Behaviour and Cognitive Science
International Society for Neuroethology
Alexander-von-Humboldt Foundation
Japanese Society for the Promotion of Science
Deutscher Hochschulverband
Deutsche Gesellschaft für Psychologie
Deutsche Zoologische Gesellschaft
Alumni der Studienstiftung e.V.

Invited talks

105. Keynote address, conference “Bio-Propulsion of Adaptive Systems”, Queen's University (2018)
104. York University, Toronto (2018)
103. University of Otago, NZ (2018)
102. York University, Toronto (2017)
101. University of Vienna (2017)
100. University of Tübingen (2017)
99. University of Gießen (2016)
98. Pace Gallery, New York (2016)
97. Le Lab, Cambridge, MA (2016)
96. University of Bonn (2015)
95. University of Münster (2015)
94. University of Tübingen (2015)
93. University of Mainz (2015)
92. Max-Planck-Institute for Intelligent Systems, Tübingen (2015)
91. University of Gießen (2015)
90. University of Bielefeld (2015)
89. University of Witten-Herdecke (2015)
88. University of Vienna, Cognitive Biology (2015)

87. Cuban Neuroscience Centre, Havana, Cuba (2014)
86. Montreal Vision Research, McGill (2014)
85. International Research and Training Group "The Brain in Action" (2014)
84. Max-Planck-Institute for Intelligent Systems, Tübingen (2014)
82. Keynote address, Lake Ontario Visionary Establishment meeting, Niagara on the Lakes (2014)
82. Human Mobility Research Centre, Queen's University (2014)
81. Department of Biophysics, Chinese Academy of Science, Beijing (2014)
80. School of Computer Science and Engineering, Seoul National University (2012)
79. Department of Computer Science, University of Hannover (2012)
78. Human Mobility Research Centre, Queen's University (2011)
77. Department of Psychology, University of Hamburg (2011)
76. Eikones, University of Basel (2011)
75. Department of Biology, Queen's University (2011)
74. Department of Psychology, University of Western Ontario (2010)
73. Department of Biology, Queen's University (2009)
72. Department of Psychology, Freiburg University (2009)
71. Frankfurt Institute for Advance Studies (2009)
70. Bernstein Center for Computational Neuroscience, Freiburg (2008)
69. School of Optometry, Université de Montréal (2008)
68. CERNEC, Université de Montréal (2007)
67. Department of Psychology, Carleton University, Ottawa (2007)
66. Department of Psychology, University of Alberta, Edmonton (2007)
65. Department of Psychology, Kyoto University, Tokyo, Japan (2007)
64. Primate Research Institute, Inuyama, Japan (2007)
63. Department of Computer Science and Engineering, Kagoshima University, Japan (2007).
62. Global COE symposium on Biological Motion Perception, Keio University, Tokyo (2007)

61. Faculty of Life Sciences, University of Vienna (2007)
60. Department of Psychology, University of Manitoba (2007)
59. Department of Psychology, Indiana University, Bloomington (2006)
58. International Symposium: Social Cognition as a Higher Brain Function, Keio University, Tokyo (2006)
57. Department of Ophthalmology, McGill University (2006)
56. Center for Vision Research, York University (2006)
55. Department of Psychology, Concordia University (2005)
54. Department of Mathematics, Queen's University (2005)
53. Max-Planck-Institute for Biological Cybernetics, Tübingen (2005)
52. Max-Planck-Institute for Human Development, Berlin (2005)
51. Center for Neuroscience Studies, Queen's University (2005)
50. Department of Psychology, McMaster University (2004)
49. Department of Physical Education, Queen's University (2004)
48. Department of Psychology, New York University (2004)
47. Laboratoire Électronique Informatique, University of Dijon (2004)
46. Department of Computer Science, University of Toronto (2004)
45. Department of Psychology, Harvard University (2004)
44. Queen's University: EEB Seminar, Biology (2003)
43. CNUCs meeting: Field's Institute, University of Toronto (2003)
42. Sheridan College, Oakville, Ontario: School of Animation (2003)
41. HPCVL, Queen's University, Kingston, Ontario (2003)
40. Queen's University: BBCS Seminar, Psychology (2003)
39. University of Saarbrücken, Psychology (2003)
38. University of Bremen, Center for Brain Research (2003)
37. EURESCO Conference on Three Dimensional Sensory and Motor Space, Acquafredda di Maratea, Italy (2003)
36. Vicon User Meeting, Heidelberg (2002)
35. Queen's University, Kingston, Ontario: Psychology (2002)

34. University of Giessen, Psychology (2002)
33. LMU, München, Graduate School Neurosensoric (2002)
32. ATR, Kyoto, Japan (2002)
31. University of Oldenburg: Biology (2001)
30. University of Freiburg: Biology and Neurology (2001)
29. Max-Planck-Institute for Cognitive Neuroscience, Leipzig (2001)
28. Max-Planck-Institute for Biological Cybernetics, Tübingen (2001)
27. University of Konstanz: Psychology (2001)
26. University of Essen: Anatomy (2001)
25. Max-Planck-Institut für Verhaltensphysiologie, Seewiesen, (2000)
24. Queen's University, Kingston, Ontario: Psychology (2000)
23. University of Bielefeld: Mathematics (2000)
22. University of Aachen: Biology (2000)
21. University of South Florida, Tampa: Psychology (2000)
20. University of Minnesota, Minneapolis: Psychology (1999)
19. McMaster University, Hamilton, Canada: Psychology (1999)
18. NEC Research Institute, Princeton, New Jersey (1998)
17. New York University, Center of Neural Sciences (1998)
16. University of Berlin, Biology (1997)
15. Max-Planck-Institute for Biological Cybernetics, Tübingen (1997)
14. University of Munich: Psychology (1997)
13. University of Glasgow, UK: Psychology (1996)
12. University of Tübingen: Neurology (1996)
11. Salk Institute, La Jolla (1996)
10. University of California, Irvine: Psychology (1996)
9. University of Southern California, Los Angeles: Psychology (1996)
8. University of California, Santa Barbara: Psychology (1996)
7. University of Tübingen: Eye Clinic (1995)

6. University of Minnesota, Minneapolis: Psychology (1995)
5. University of Berlin: Biology (1994)
4. University of Aachen, Germany: Biology (1994)
3. Max-Planck-Institute for Biological Cybernetics, Tübingen (1994)
2. Cambridge, UK: Psychology (1993)
1. University of Erlangen, Germany: Biology (1993)

List of publications

a. Refereed journal articles

114. Kenny, S., Troje, N. F. (in press) Perceptual effects of inconsistency in human animations. *Transactions of Applied Perception*.
113. Veto, P., Uhlig, M., Troje, N.F., Einhäuser, W. (2018) Cognition modulates action-to-perception transfer in ambiguous perception. *Journal of Vision* 18:1-8.
112. Weech, S., Moon, J., Troje, N. F. (2018) Influence of bone-conducted vibration on simulator sickness in virtual reality. *PLoS One* 13(3).
111. Ross, G., Dowling, B., Graham, R., Troje, N. F., Fischer, S. L., Graham, R. B. (2018) Objectively differentiating whole-body movement patterns between elite and novice athletes. *Medicine & Science in Sports & Exercise* 50:1457-1464.
110. Larson, D., Paulter, N., Troje, N. F. (2018) Walk-through metal detector testing and the need to emulate natural body motion. *Journal of Testing and Evaluation*.47:1-13
109. Chang, D. H. F., Ban, B., Ikegaya, Y., Fujita, I., Troje, N. F. (2018) Cortical and subcortical responses to biological motion *NeuroImage* 174:87-96.
108. Wang, Y., Wang, L., Xu, Q., Liu, D., Chen, L., Troje, N. F., He, S., Jiang, Y. (2018) Heritable aspects of biological motion perception and its covariation with autistic traits. *PNAS*. Early Edition, doi: 10.1073/pnas.1714655115.
107. Weech, S; Troje, N. F. (2018) Inverting the facing-the-viewer bias for biological motion stimuli. *IPerception* 1-14.
106. Bottari, D.; Kekunnaya, R.; Hense, M.; Troje, N. F., Sourav, S.; Röder, B.; (2018) Motion processing after sight restoration: No competition between visual recovery and auditory compensation. *NeuroImage* 167:284-296.
105. Helm, F., Troje, N. F., Munzert, J. (2017) Motion database of disguised and non-disguised team handball penalty throws by novices and experts. *Data in Brief* 15:981986
104. Theunissen, L., Troje, N. F. (2017) Head stabilization in the pigeon: Role of vision to correct for translational and rotational disturbances. *Frontiers in Neuroscience* 11/551:1-12.
103. Helm, F., Munzert, J., Troje, N. F. (2017) Kinematic patterns underlying disguised movements: Spatial and temporal dissimilarity compared to genuine movement patterns. *Human Movement Science* 54:308-319.
102. Veto, P., Einhäuser, W., Troje, N. F. (2017) Biological motion distorts size perception. *Scientific Reports* 7 (42576):1-6.
101. Weech, S., Troje, N. F. (2017) Vection is facilitated by bone-conducted vibration and noisy galvanic vestibular stimulation. *Multisensory Research* 30:65-90.
100. Fini, C., Bardi, L., Troje, N. F., Committeria, G., Brass, M. (2017) Priming biological motion changes extrapersonal space categorization. *Acta Psychologica* 172:7783.
99. Theunissen, L., Reid, T. Troje, N. F. (2017) Pigeons use distinct stop phases to control pecking. *Journal of Experimental Biology* 220:437-444.
98. Cui, A., Dierks, C., Cuddy, L., Troje, N. F. (2016) Short and long term representation of an unfamiliar tone distribution. *Peer J*. 4:e2399, 1-19.
97. Lisney, T. J., Troje, N. F. (2016) Head-bobbing in the Ring-billed Gull (*Larus delawarensis*) *Canadian Field Naturalist* 2:174-177
96. Ware, E. L. R., Saunders, D. R., Troje, N. F. (2016) Social interactivity in pigeon courtship

behavior. *Current Zoology*.

95. Bottari, D., Troje, N.F., Ley, P., Hense, M., Kekunnaya, R., and Röder, B. (2016) Sight restoration in humans after congenital blindness does not reinstate alpha oscillations and related behavior. *Scientific Reports* 6.
94. Phillipou, A., Rossell, S., Gurvich, C., Castle, D. Troje, N.F. Abel, L. (2016) Body image in anorexia nervosa: body size estimation utilizing a biological motion task and eye tracking. *European Eating Disorders Review* 24:131-138.
93. Klüver, M., Hecht, H. Troje, N. F. (2016) Internal consistency predicts attractiveness in biological motion walkers. *Evolution and Human Behavior* 37:40-46.
92. Bottari, D., Troje, N. F., Ley, P., Hense, M., Kekunnaya, R., Röder, B. (2015) The neural development of the biological motion processing system does not rely on early visual input. *Cortex* 71:359-367.
91. Bardi, L., Di Giorgio, E., Troje, N. F., Simion, F. (2015) Walking direction triggers visuo-spatial orienting in 6-month-old infants and adults: An eye tracking study. *Cognition* 141:112-120.
90. Ware, E., Saunders, D., Troje, N. F. (2015) The influence of motion quality on social responses towards video playback stimuli. *Biology Open* 4:803-811.
89. Cui, A. X., Collett, M. J., Troje, N. F., Cuddy, L. L. (2015) Familiarity and preference for pitch probability profiles. *Cognitive Processes* 16:211-218.
88. Heenan, A., Troje, N. F. (2015) The relationship between social anxiety and the perception of depth-ambiguous biological motion stimuli is mediated by inhibitory ability. *Acta Psychologica* 157: 93-100.
87. Chen, S. C., Xiao, C., Troje, N. F., Robertson, M. Hawryshyn, C. W. (2015) Functional characterization of the chromatically antagonistic photosensitive mechanism of erythrophores in the tilapia *Oreochromis niloticus*. *Journal of Experimental Biology* 218: 748-756
86. Michalak, J., Rohde, K., Troje, N. F. (2015) How we walk affects what we remember: Gait modifications through biofeedback change negative affective memory bias. *Journal of Behavior Therapy and Experimental Psychiatry* 46:121 – 125.
85. Heenan, A., Best, M. W., Ouellette, S. J., Meiklejohn, E. , Troje, N. F., Bowie, C. R. (2014) Assessing threat responses towards the symptoms and diagnosis of schizophrenia using visual perceptual biases. *Schizophrenia Research Schizophrenia research* 159(1), 238-242.
84. Weech, S., McAdam, M., Kenny, S., Troje, N. F. (2014) What causes the facing bias in biological motion? *Journal of Vision*. 14(12):10.
83. Williamson, K. E., Jakobson, L S., Saunders, D. R., Troje, N. F. (2014) Local and global aspects of biological motion perception in children born very preterm. *Child Neuropsychology* 21(5), 603-628.
82. Heenan, A., Troje, N. F. (2014) Both physical exercise and progressive muscle relaxation reduce the facing-the-viewer bias in biological motion perception. *PLoS One* 9(7) 1-12.
81. Lillicrap, T. P., Moreno-Briseño, P., Diaz, R., Tweed, D. B., Troje, N. F., Fernandez-Ruiz, J. (2013) Adapting to inversion of the visual field: a new twist on an old problem. *Experimental Brain Research* 228(3): 327-339.
80. Sabbah, S., Troje, N. F., Gray, S. M., Hawryshyn, C. W. (2013) High complexity of aquatic irradiance may have driven the evolution of four-dimensional colour vision in shallow-water fish. *Journal of Experimental Biology* 216: 1670-1682.
79. Troje, N. F., Aust, U. (2013) What do you mean with "direction"?: Local and global cues to biological motion perception in pigeons. *Vision Research* 79:47-55.
78. Livne, M., Sigal, L. Troje, N. F., Fleet, D. (2012) Human Attributes from 3D Pose Tracking.

Computer Vision and Image Understanding. 116:648-660.

77. Legault, I. Troje, N. F., Faubert, J. (2012) Healthy older observers cannot use biological motion point light information efficiently within 4 meters of themselves. *iPerception*. 3:104-111.
76. Rutherford, M. D., Troje, N. F. (2012) IQ predicts biological motion perception in Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders* 42:557-565.
75. Pica, P., Jackson, S. P., Blake, R., Troje, N. F. (2011) Comparing biological motion perception in two disparate human societies. *PLoS ONE* 6(12):e28391
74. Hirai, M., Chang, D.H.F., Saunders, D.R., Troje, N.F. (2011) Body configuration modulates the usage of local cues to direction in biological motion perception. *Psychological Science* 22:1543-1549.
73. Hohmann, T., Troje N.F., Olmos A., Munzert, J. (2011) The influence of motor expertise and motor familiarity on action recognition and actor identification. *Journal of Cognitive Psychology* 4:403-415.
72. Schouten, B., Troje, N. F., Verfaillie, K. (2011) The facing bias in biological motion perception: Structure, kinematics, and body parts. *Attention, Perception & Psychophysics* 73:130-143.
71. Schouten, B., Troje, N. F., Vroomen, J., Verfaillie, K. (2011) The effect of looming and receding sounds on the perceived in-depth orientation of depth-ambiguous biological motion figures. *PLoS ONE* 6(2): e14725.
70. Hirai, M., Saunders, D. R., Troje, N. F. (2011) Allocation of attention to biological motion: local motion dominates global shape. *Journal of Vision* 11(3):4, 1-11.
69. Legenbauer, T., Vocks, V., Betz, S., Báguena Puigcerver, M. J., Benecke, A., Troje, N. F., Rüdell, H. (2011) Differences in the nature of body image disturbances between female obese individuals with versus without a co-morbid Binge Eating Disorder: an exploratory study including static and dynamic aspects of body image. *Behavior Modification* 35(2) 162–186.
68. Michalak, J., Troje, N. F., Heidenreich, T. (2011) The effects of mindfulness-based cognitive therapy on depressive gait patterns. *Journal of Cognitive and Behavioral Psychotherapies* 11:13-27.
67. Troje, N. F. , McAdam, M. (2010) The viewing-from-above bias and the silhouette illusion. *i-Perception* 1:143-148.
66. Saunders, D. R., Williamson, D., Troje, N. F. (2010) Gaze patterns during perception of direction and gender from biological motion. *Journal of Vision* 10(11):9, 1-10
65. MacKinnon, L. M., Troje N. F., Dringenberg, H. C. (2010) Do rats (*Rattus norvegicus*) perceive biological motion? *Experimental Brain Research* 205:571–576.
64. Chang, D. H. F., Harris, L. R., Troje, N. F. (2010) Frames of reference for the biological motion and face inversion effects. *Journal of Vision* 10(6):22, 1–11.
63. Schouten, B., Troje, N. F., Brooks, A., van der Zwan, R., Verfaillie, K. (2010) The facing bias in biological motion perception: Effects of stimulus gender and observer sex. *Attention, Perception & Psychophysics* 72:1256-1260.
62. Michalak, J., Troje, N., Heidenreich, T. (2010) Embodied effects of mindfulness-based cognitive therapy. *Journal of Psychosomatic Research* 68:311-314.
61. Gurnsey, R., Roddy, G., Troje, N. F. (2010) Limits of peripheral direction discrimination of point-light walkers. *Journal of Vision* 10(2):15, 1-17.
60. Gurnsey, R., Troje, N. F. (2010) Peripheral sensitivity to biological motion conveyed by first and second order signals. *Vision Research* 50:127-135 .
59. Perry, A., Troje, N. F., Bentin, S. (2010) Exploring motor system contributions to the perception of social information: Evidence from EEG activity in the mu/alpha frequency range. *Social*

Neuroscience. 5:272–284

58. Kuhlmeier, V. A., Troje, N. F., Lee, V. (2010) Young infants detect the direction of biological motion in point-light displays. *Infancy*. 15:83–93.
57. Bockemühl, T., Troje, N. F., Dürr, V. (2010) Inter-joint coupling and joint angle synergies of human catching movements.. *Human Movement Science* 29:73-93.
56. Jiménez Ortega, L., Stoppa, K., Güntürkün, O., Troje, N. F. (2009) Vision during head-bobbing: are pigeons capable of shape discrimination during the thrust phase? *Experimental Brain Research* 199:313 – 321.
55. Murphy, P., Brady, N., Fitzgerald, M., Troje, N. F. (2009) No evidence for impaired perception of biological motion in adults with autistic spectrum disorders. *Neuropsychologia* 47:3225–3235.
54. van der Zwan, R., MacHatch, C. Kozłowski, D., Troje, N. F., Blanke, O., Brooks, A. (2009) Gender Bending: Auditory cues affect visual judgements of gender in biological motion displays. *Experimental Brain Research* 198:373 – 382.
53. Michalak, J., Troje, N., Fischer, J., Vollmar, P., Heidenreich, T. & Schulte, D. (2009). The embodiment of sadness and depression - gait patterns associated with dysphoric mood. *Psychosomatic Medicine* 71:580 –587.
52. Chang, D. H. F., Troje, N. F. (2009) Characterizing global and local mechanisms in biological motion perception. *Journal of Vision* 9(5):8, 1-10.
51. Saunders, D. R., Suchan, J., Troje, N. F. (2009) Off on the wrong foot: local features in biological motion. *Perception* 38:522–532.
50. Chang, D. H. F. and Troje, N. F. (2009) Acceleration carries the local inversion effect in biological motion perception. *Journal of Vision* 9(1):19, 1–17.
49. Gurnsey, R., Roddy, G., Ouhana, M., Troje, N. F. (2008) Stimulus magnification equates identification and discrimination of biological motion across the visual field. *Vision Research* 48:2827-2834.
48. Brooks, A., Schouten, B., Troje, N. F., Verfaillie, K., Blanke, O., van der Zwan, R. (2008) Correlated changes in perceptions of the gender and the orientation of ambiguous biological motion figures. *Current Biology* 18:R728-729.
47. Jiménez Ortega, L., Stoppa, K., Güntürkün, O., Troje, N. F. (2008) Limits of intraocular and interocular transfer in pigeons. *Behavioural Brain Research* 193:69-78.
46. Freitag, C. M., Konrad, C., Häberlen, M., Kleser, C., von Gontard, A., Reith, W., Troje, N. F., Krick, C. (2008) Perception of biological motion in autism spectrum disorders. *Neuropsychologia* 46:1480-1494.
45. Provost, M. P., Quinsey, V. L. and Troje, N. F. (2008) Differences in gait across the menstrual cycle. *Archives of Sexual Behaviour* 37:598–604.
44. Aen-Stockdale, C., Thompson, B., Hess, R. F., Troje, N. F. (2008) Biological motion perception is cue-invariant. *Journal of Vision* 8(8):6, 1-11.
43. Chang, D. H. F. and Troje, N. F. (2008) Perception of animacy and direction from local biological motion signals. *Journal of Vision* 8(5):3, 1-10.
42. Thompson, B., Troje, N. F., Hansen, B. C. and Hess R. F. (2008) Amblyopic perception of biological motion. *Journal of Vision* 8(4):22, 1-14.
41. König, A., Schölmerich, A., Troje, N. F. (2008) Geschlechtsspezifische Entwicklung der Anatomie und Gangdynamik im Kindes- und Jugendalter. *Zeitschrift für Entwicklungspsychologie und Pädagogische Psychologie* 40:32-39.
40. Provost, M. P., Troje, N. F. and Quinsey, V. L. (2008) Short term mating strategies and attraction to masculinity in point-light walkers. *Evolution and Human Behavior* 29:65-69.

39. Thompson, B., Hansen, B. C., Hess, R. F., and Troje, N. F. (2007). Peripheral vision: Good for biological motion, bad for signal noise segregation? *Journal of Vision*, 7(10):12, 1-7.
38. Liedvogel, M., Feenders, G., Wada, K., Troje, N. F., Jarvis, E. D. and Mouritsen, H. (2007) Lateralized activation of Cluster N in the brains of migratory songbirds. *European Journal of Neuroscience* 25:1166-1173.
37. Westhoff, C. and Troje, N. F. (2007) Kinematic cues for person identification from biological motion. *Perception & Psychophysics* 69: 241–253.
36. Zhang, Z. and Troje, N. F. (2007) 3D Periodic Human Motion Reconstruction from 2D Motion Sequences. *Neural Computation* 19:1400-1421.
35. Folta, K., Troje, N. F., Güntürkün, O. (2007) Timing of ascending and descending visual signals predicts the response mode of single cells in the thalamic nucleus rotundus of the pigeon (*Columba livia*). *Brain Research* 1132: 100-109.
34. Vocks S., Legenbauer, T., Troje, N. F., Rüdell, H. and Schulte, D. (2007) Static and Dynamic Body Image in Bulimia Nervosa: Mental Representation of Body Dimensions and Biological Motion Patterns. *International Journal of Eating Disorders* 40:59-66.
33. Kersten M., Steward J, Troje, N. F., Ellis, R. (2006) Enhancing depth perception in translucent volumes. *IEEE Transactions on Visualization and Computer Graphics* 12:1117-1124.
32. Watanabe, S. and Troje, N. F. (2006) Towards a "virtual pigeon": A new technique to investigate avian social perception. *Animal Cognition* 9: 271-279.
31. Vocks, S., Legenbauer, T., Troje, N. F. and Schulte, D. (2006) Körperbildtherapie bei Essstörungen: Veränderungen der perzeptiven, kognitiv-affektiven und behavioralen Körperbildkomponente. *Zeitschrift für Klinische Psychologie und Psychotherapie* 35: 286-295.
30. Rotman, G., Troje, N. F., Johansson, R. S. and Flanagan, J. R. (2006) Eye movements when observing predictable and unpredictable actions. *Journal of Neurophysiology* 96:1358-1369.
29. Jokisch, D., Daum, I., and Troje, N. F. (2006) Self recognition versus recognition of others by biological motion: Viewpoint-dependent effects. *Perception* 35:911-920.
28. Troje, N. F., Sadr, J., Geyer, H. and Nakayama, K. (2006) Adaptation after-effects in the perception of gender from biological motion. *Journal of Vision* 6:850-857.
27. Loidolt, M. Aust, U. Steurer, M. Troje, N. F., Huber, L. (2006) Limits of dynamic object perception in pigeons: dynamic stimulus presentation does not enhance perception and discrimination of complex shape. *Learning & Behaviour* 34:71-85.
26. Troje, N. F. and Westhoff, C. (2006) The inversion effect in biological motion perception: Evidence for a "life detector"? *Current Biology* 16:821-824.
25. Hill, H. C. H., Troje, N. F. and Johnston, A. (2005) Range and domain specific exaggeration of facial speech. *Journal of Vision* 10:793-807.
24. Zhang, Z. and Troje, N. F. (2005) View-independent person identification from human gait. *Neurocomputing* 69:250-256.
23. Watson, T. L., Johnston, A., Hill, H. C. H. and Troje N. F. (2005) Motion as a cue for viewpoint invariance. *Visual Cognition* 12:1291-1308.
22. Troje, N. F., Westhoff, C., and Lavrov, M. (2005) Person identification from biological motion: Effects of structural and kinematic cues. *Perception & Psychophysics* 67:667-675.
21. Jokisch, D., Troje, N. F., Koch, B., Schwarz, M., and Daum, I. (2005) Differential involvement of the cerebellum in biological and coherent motion perception. *European Journal of Neuroscience* 21:3439-3444.
20. Jokisch, D., Daum, I., Suchan, B., and Troje, N. F. (2005) Structural encoding and recognition of biological motion: Evidence from event-related potentials and source analysis. *Behavioural Brain*

Research 157:195-204.

19. Collin, C. A., Liu, C. H., Troje, N. F., McMullen, P. A., and Chaudhuri, A. (2004) Face recognition is affected by similarity in spatial frequency range to a greater degree than within-category object recognition. *Journal of Experimental Psychology: Human Perception and Performance* 30:975-987.
18. Guski, R. and Troje, N. F. (2003) Audio-visual phenomenal causality. *Perception and Psychophysics* 65:789–800.
17. Jokisch, D. and Troje, N. F. (2003) Biological motion as a cue for the perception of size. *Journal of Vision*. *Journal of Vision* 3:252-264.
16. Troje, N. F. (2003) Reference frames for the inversion effect in face recognition and biological motion perception. *Perception* 32:201-210.
15. Troje, N. F. (2002). Decomposing biological motion: A framework for analysis and synthesis of human gait patterns. *Journal of Vision* 2:371-387. This paper heads the list of the most downloaded papers from *Journal of Vision*: <http://jov.arvojournals.org/Article.aspx?articleid=2193087>
14. Diekamp, B., Hellmann, B., Troje, N. F., Wang, S. R., and Güntürkün, O. (2001) Electrophysiological and anatomical evidence for a direct projection from the nucleus of the basal optic root to the nucleus rotundus in pigeons. *Neuroscience Letters* 305:103-106.
13. Huber, L., Troje, N. F., Loidolt, M., Aust, U. and Grass, D. (2000) Natural categorization through multiple feature learning in pigeons. *The Quarterly Journal of Experimental Psychology* 53B:341-357.
12. Troje, N. F. and Frost, B. J. (2000) Head-bobbing in pigeons: how stable is the hold phase? *Journal of Experimental Biology* 203:935-940.
11. Troje, N. F. and Kersten, D. (1999) Viewpoint-dependent recognition of familiar faces. *Perception* 28:483-487.
10. Troje, N. F., Huber, H., Loidolt, M. Aust, U., and Fieder, M. (1999) Categorical learning in pigeons: The role of texture and shape in complex static stimuli. *Vision Research* 39:353-366.
9. Braje, W., Kersten, D. Tarr, M. J., and Troje, N. F. (1998) Illumination effects in face recognition. *Psychobiology* 26:371-380.
8. Troje, N. F. and Siebeck, U. (1998) Illumination induced apparent shift in orientation of human heads. *Perception* 27:671-680.
7. Troje, N. F. and Bülthoff, H. H. (1998) How is bilateral symmetry of human faces used for recognition of novel views. *Vision Research* 38:79-89.
6. Vetter, T. and Troje, N. F. (1997) Separation of texture and shape in images of faces for image coding and synthesis. *Journal of the Optical Society of America A* 14:2152-2161.
5. O'Toole, A., Vetter T., Troje, N. F. and Bülthoff, H. H. (1997) Sex classification is better with three-dimensional head structure than with image intensity information. *Perception* 26:75-84.
4. Kersten D., Troje N. F. and Bülthoff H. H. (1996) Phenomenal competition for poses of the human head. *Perception* 25:367-368
3. Troje, N. F. and Bülthoff, H. H. (1996) Face recognition under varying pose: The role of texture and shape. *Vision Research* 36:1761-1771
2. Chittka, L., Shmida, A., Troje, N., Menzel, R. (1994) Ultraviolet as a component of flower reflections, and the colour perception of Hymenoptera. *Vision Research* 34:1489-1508.
1. Troje, N. (1993) Spectral categories in the learning behaviour of blowflies. *Z. Naturforsch.* 48c:96-104.

b. Full papers in refereed conference proceedings

15. Eftekharifar S., Troje, N. T. (2018) Contribution of stereopsis and motion parallax to fear responses in the pit room environment. IEEE International Conference on 3D Immersion (IC3D 2018).
14. Thaler, A., Wellerdiek, A. C., Leyrer, M., Volkova-Volkmar, E., Troje, N. T., Mohler, B. J. (2018) The role of avatar fidelity and sex on self-motion recognition. In: Proceedings of SAP 18, Vancouver, August 2018, 9 pages.
13. Kenny, S., Mahmood, N., Honda, C., Black, M. J., Troje, N. F. (2017) Effects of animation retargeting on perceived action outcomes, In: Proceedings of SAP 17, Cottbus, Germany, September 2017, 7 pages.
12. Larson, D., Paulter, N. G., Troje, N. F. (2017) Natural motion emulation for walk-through metal detector testing. Symposium on the Technologies and Metrology of Checkpoint Screening Equipment, April 2017, Toronto, ON, 6 pages.
11. Kuznetsova, A., Rosenhahn, B., Troje, N. F. (2013) A statistical model for coupled human shape and motion synthesis. GRAPP 2013 (8th International Conference on Computer Graphics Theory and Applications). pp. 1-10.
10. Sigal, L., Troje, N. F., Fleet, D. J., Livne, M. (2010) Human attributes from 3D pose tracking. 11th European Conference on Computer Vision (ECCV). Lecture Notes in Computer Science Volume 6313, pp. 243-257.
9. Zeiler, M. D., Taylor G. W., Troje, N. F., Hinton, G. E. (2009) Modeling pigeon behaviour using a Conditional Restricted Boltzmann Machine. 17th European Symposium on Artificial Neural Networks (ESANN), Bruges, Belgium. pp. 1-6.
8. Holman, D., Vertegaal, R. and Troje, N. (2005) Paper windows: Interaction techniques for digital paper. In: Proceedings of ACM CHI 2005 Conference on Human Factors in Computing Systems, Portland, pp. 591-599.
7. Zhang, Z. and Troje, N. F. (2004) 3D periodic human motion reconstruction from 2D motion sequences. Proceedings of Computer Vision and Pattern Recognition. Conference on Computer Vision and Pattern Recognition Workshop (CVPRW'04) Volume 12 pp. 186-192.
6. Troje N. F. (2002) The little difference: Fourier based gender classification from biological motion. In: Dynamic Perception, R. P. Würtz and M. Lappe (eds), Aka Verlag, Berlin, pp. 115-120.
5. Watson, T. L., Johnston, A., Hill, H. C., Troje, N. F. (2002) Differential processing of facial motion. In: Dynamic Perception, R. P. Würtz and M. Lappe (eds), Aka Verlag, Berlin, pp. 271-275.
4. Troje, N. F. (1998) Generalization to novel views of faces: Psychophysics and models concerning the role of bilateral symmetry. In: Downward processes in the perception representation mechanisms, C. Taddei-Ferretti and C. Musio (eds), World Scientific, Singapore, New Jersey, London, Hong Kong, pp. 171-188.
3. Troje, N. F. and Vetter, T. (1998) Representations of human faces. In: Downward processes in the perception representation mechanisms, C. Taddei-Ferretti and C. Musio (eds), World Scientific, Singapore, New Jersey, London, Hong Kong, pp.189-205.
2. O'Toole, A., Bühlhoff, H. H., Troje, N. F., and Vetter, T. (1995) Face Recognition across large viewpoint changes. Proceedings of the International Workshop on Automatic Face- and Gesture-Recognition, pp. 326-331.
1. Vetter, T. and Troje, N. F. (1995) Separation of texture and two-dimensional shape in images of human faces. In: Sagerer, G., Posch, S. and Kummert F., Mustererkennung 1995, Reihe Informatik aktuell, pp. 118-125, Springer Verlag. Awarded with the Best Paper Award of the DAGM (German Conference on Pattern Recognition).

c. Book Chapters

9. Troje, N. F. (2017) The Kayahara silhouette illusion. In: Shapiro, A., Todorovic, D. (eds.) Oxford Compendium on Visual Illusions. Oxford University Press. pp 582-585.
8. Troje, N. F. (2013) Vision as hypothesis testing: The case of biological motion perception. In: Leyssen, S., Rathgeber, P. (eds.) Bilder animierter Bewegung. Eikones NFS Bildkritik, Basel.
7. Troje, N. F. (2013) What is biological motion?: Definition, stimuli and paradigms. In: Rutherford, M. D. and Kuhlmeier, V. A., Social Perception: Detection and Interpretation of Animacy, Agency, and Intention. MIT Press, pp 13-36.
6. Troje, N. F. and Chang, D. H. F. (2013) Shape-independent processes in biological motion perception. In: Johnson, K. L. and Shiffrar, M. (eds.) People Watching: Social, Perceptual, and Neurophysiological Studies of Body Perception. Oxford University Press, pp. 82-100.
5. Yamamoto, E., Someya, Y., Troje, N. F., Ogawa, S., Watanabe, S. (2010) Differential brain activations between internal-state discrimination and gender discrimination from biological motion. In: Watanabe, S. et al. (eds.) CARLS Series of Advanced Studies of Logic and Sensibility. Keio University Press, pp 89-94.
4. Troje, N. F. (2008) Biological motion perception. In: Allan Basbaum et al (eds.) The Senses: A Comprehensive References. Elsevier, Oxford, pp. 231-238.
3. Troje, N. F. (2008) Retrieving information from human movement patterns. In: Shipley, T. F. and Zacks, J. M. (eds.) Understanding Events: How Humans See, Represent, and Act on Events. Oxford University Press, pp. 308-334.
2. Ware, E. L. R. and Troje, N. F. (2007) Social Contingency Perception in Animal Interaction. In: Watanabe, S. et al. (eds.) Comparative Social Cognition. Keio University Press, pp 147-170.
1. Westhoff, C. and Troje, N. T. (2006) Personenidentifikation anhand von biologischer Bewegung: strukturelle und kinematische Parameter. In: Bewegungs-Sonofication und Musteranalyse im Sport, Effenberg, A. O. (ed), Cuvillier Verlag, Göttingen, pp13-17.

d. Technical Reports

7. Troje, N. F., Huber, L., Loidolt, M., Aust, U., Fieder, M. (1998) Categorical learning in pigeons: The role of texture and shape in complex static stimuli. MPI-memo No. 59, Max-Planck-Institut für biologische Kybernetik, Tübingen.
6. Troje, N. F., Kersten, D. (1998) Viewer-centered recognition of familiar faces. MPI-memo No. 55, Max-Planck-Institut für biologische Kybernetik, Tübingen.
5. Troje, N. F., Vetter, T. (1996) Representations of human faces. MPI-memo No. 41, Max-Planck-Institut für biologische Kybernetik, Tübingen.
4. Troje, N. F., Bülhoff, H. H. (1996) How is bilateral symmetry of human faces used for recognition of novel views? MPI-memo No. 38, Max-Planck-Institut für biologische Kybernetik, Tübingen.
3. Troje, N. F., Bülhoff, H. H. (1996) Face recognition under varying pose: The role of texture and shape. MPI-memo No. 17, Max-Planck-Institut für biologische Kybernetik, Tübingen.
2. Vetter, T., Troje, N. F. (1995) A separated linear shape and texture space for modeling two-dimensional images of human faces. MPI-memo No. 15, Max-Planck-Institut für biologische Kybernetik, Tübingen.
1. O'Toole, A. J., Bülhoff, H. H, Troje, N. F., Vetter, T. (1995) Face recognition across Large Viewpoint Changes. MPI-memo No. 9, Max-Planck-Institut für biologische Kybernetik, Tübingen.

e. Other contributions

9. Sadr J., Troje N. F., Nakayama K. (2006) Axes versus averages: High-level representations of dynamic point-light forms. *Visual Cognition* 14:119-122.
8. Troje, N. F. (2004) "Cat Walk" und Westernheld. *Feldenkrais Zeit.* Ausgabe 5. pp.21-26.
7. Troje, N. F. (2003) Cat walk and western hero - motion is expressive. *IGSN Report* pp. 40-43.
6. Troje, N. F. (2003) "Cat Walk" und Westernheld - Was Bewegung ausdrückt. *Rubin* 1/03, pp. 50-56.
5. Troje, N. F. and Giurfa, M. (2001) Visual representations for memory and recognition. In: Elsner, N. and Kreutzberg, G. W. (eds.): *Proceedings of the 28th Göttingen Neurobiology Conference Vol. I*, p. 608-613, Georg Thieme, Stuttgart
4. Troje, N. (1998) *Modelle und Psychophysik zur menschlichen Gesichtererkennung.* Habilitationsschrift, Eberhard-Karls-Universität Tübingen.
3. Troje, N. (1994) *Wellenlängenunterscheidung bei der Goldfliege Lucilia spec.* Dissertation, Albert-Ludwig-Universität Freiburg im Breisgau.
2. Brünner, H. and Troje, N. (1991) Ein Vorkommen der Hausratte (*Rattus rattus* L.) in Südbaden. *Mitteilungen des badischen Landesverbandes für Naturkunde und Naturschutz* 2:467-468.
1. Troje, N. (1990) *Polarisationsmusterorientierung bei der Honigbiene.* Diplomarbeit, Albert-Ludwig-Universität Freiburg im Breisgau.

f. Symposia, conference presentations and published abstracts

231. Ross, G. B., Dowling, B., Troje, N. F., Fischer, S. L., Graham, R. B. (2018) Development of a data-driven framework for classifying movement patterns. Poster presented at the 8th World Congress of Biomechanics, Dublin, Ireland.
230. Ross, G. B., Dowling, B., Troje, N. F., Graham, R. B. (2018) Assessing the relationship between movement performance and body-shape using MoSh. Talk presented at the 20th Biennial Meeting of the Canadian Society for Biomechanics (Podium), Halifax, Nova Scotia, Canada.
229. Cui, A.-X., Malcolm, P. M., Müller, T. S., Troje, N. F., Cuddy, L. L. (2018) Influence of prior knowledge on statistical learning of music. *International Conference on Music Perception and Cognition*, Graz, Austria.
228. Loeffler, J., Kenny, S., Ghorbani, S., Raab, M., Cañal-Bruland, R., Troje, N. F. (2018) Der Einfluss inkongruenter visueller und propriozeptiver Information auf kinematische Parameter. *Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie (asp)*, Cologne.
227. Kurz, J., Helm, F., Troje, N. F., Munzert, J. (2018) Einfluss verschieden detaillierter Stimuli auf die Bewegungswahrnehmung. *Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie (asp)*, Cologne.
226. Helm, F., Canal-Bruland, R., Mann, D. L., Troje, N. F., Munzert, J. (2018) Anticipation and the use of probabilistic information in the presence of ambiguous movement kinematics. *North American Society for the Psychology of Sport and Physical Activity*, Denver [Abstract published in *Journal of Sport and Exercise Psychology* 40:S18]
225. Eftekharifar, S., Troje, N. F. (2018) Visual-motor mapping in VR: Detection thresholds for distortions of hand position. *Vision Science Society meeting*, St Pete Beach, FL. [Abstract published in: *Journal of Vision* 18(10):68]
224. Troje, N. F., Rosen, D., Eftekharifar, S. (2018) Facial orientation biases in visual vs. pictorial space. *Vision Science Society meeting*, St Pete Beach, FL. [Abstract published in: *Journal of Vision* 18(10):514]

223. Veto, P., Uhlig, M., Troje, N. F., Einhäuser, W. (2018) Cognitive models modulate action-perception coupling in perceptual multistability. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision 18(10):669]
222. Troje, N.F. (2018) The dynamics of human action: Perception of kinematics and body shape. Matariki CONNECT Conference: Computational Neuroscience of Event Cognition, Otago, NZ.
221. Cui, A.-X., Malcolm, P. M., Müller, T. S., Troje, N. F., Cuddy, L. L. (2018) The influence of prior knowledge on sensitivity to statistical information in music. Spring School 2018 Language, Music, and Cognition: Organizing Events in Time, Cologne, Germany.
220. Ross, G. B., Dowling, B., Troje, N. F., Fischer, S. L., Graham, R. B. (2017) Objectively differentiating whole-body movement patterns and quality in athletes. XXVI Congress of the International Society of Biomechanics, Brisbane, Australia.
219. Weech, S., Troje, N. F. (2017) The influence of noisy vestibular stimulation on perception in virtual reality. 6th International Conference on Visually Induced Motion Sensations (VIMS), Toronto.
218. Helm, F., Troje, N. F., Munzert, J. (2017) Kinematic dissimilarity influences the perceptual discriminability of linearly morphed deceptive and non-deceptive team handball penalties. North American Society for the Psychology of Sport and Physical Activity, San Diego [Abstract published in Journal of Sport and Exercise Psychology 39:S135]
217. Cui, A.-X., Dederichs, M., Troje, N. F. , Cuddy, L. (2017) Characterization of newly gained statistical knowledge of an unfamiliar music system 25th Anniversary Edition of the European Society for the Cognitive Sciences of Music (ESCOM).
216. Chang, D. , Hiroshi, B., Ikegaya, Y., Fujita, I, Troje, N. F. (2017) Subcortical and cortical responses to local biological motion as revealed by fMRI and MEG. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision 17:64]
215. Honda, C., Troje, N. F. (2017) Shape and motion integration in people perception depends on the action of the performer. LOVE Conference, Niagara Falls.
214. Moon, J., Weech, S., Troje, N. F. (2017) Determining the effects of bone-conducted vibrations on simulator sickness during virtual-reality simulations. LOVE Conference, Niagara Falls.
213. Li, Z., Troje, N. F. (2017) Biological motion perception: Changes in perception across different answer modes. LOVE Conference, Niagara Falls.
212. Honda, C., Troje, N. F. (2017) Shape and motion integration in people perception depends on the action of the performer. Inquiry@Queen's 11th Annual Undergraduate Research Conference, Kingston, Ontario.
211. Bottari, D., Kekunnaya, R., Hense, M., Sourav, S., Balachandar, R., Troje, N., & Röder, B. (2016). The effect of a transient congenital visual deprivation on the neural systems for visual and sound motion processing. Paper presented at Society for Neuroscience, San Diego.
210. Cui, A.-X., Diercks, C., Troje, N. F., Cuddy, L. L. (2016) Statistical learning of novel musical material: Evidence from an experiment using a modified probe tone profile paradigm and a discrimination task. 14th International Conference for Music Perception and Cognition. San Francisco.
209. Helm, F., Munzert, J., Troje, N. F. (2016) Deceptive and non-deceptive penalties in team handball: Linear classification and characterization of movement patterns. North American Society for the Psychology of Sport and Physical Activity, Montreal [Abstract published in Journal of Sport and Exercise Psychology 38:S66]
208. Chang, D. H. F., Ban, H., Troje, N. F. (2016). Dissociating global and local biological motion processing in the human brain. European Conference on Visual Perception, Barcelona, Spain.

207. Troje, N. F., Bieg, A., Mahmood, N., Mohler, B., Black, M. (2016) People perception: Attractiveness from shape and motion Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision, 16:394]
206. Helm, F., Weech, S., Munzert, J., Troje, N. F. (2016) Spatiotemporal dissimilarity influences the perceptual discriminability of deceptive and non-deceptive throwing. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision 16:278]
205. Kenny, S., Troje, N. F. (2016) Effects of movement-shape inconsistencies on perceived weight of lifted boxes. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision 16:276,]
204. Veto, P., Einhäuser, W., Troje, N. F. (2016) Biological motion distorts size perception. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision 16:282]
203. Weech, S., Konar, Y., Troje, N. F. (2016) Vection is facilitated by bone conducted vibration and galvanic vestibular stimulation. Vision Science Society meeting, St Pete Beach, FL. [Abstract published in: Journal of Vision, 16:1203]
202. Phillipou, A., Rossell, S. L., Castle, D. J., Gurvich, C., Hughes, M. E., Nibbs, J. B., Troje, N. F., Abel, L. A. (2016) Saccadic control in anorexia nervosa: Implications for the potential neurobiological underpinnings of anorexia nervosa. Annual meeting of the Society for Biological Psychiatry, Atlanta.
201. Reid, T., Theunissen, L., Troje, N. F. (2016) Pecking accuracy in pigeons is controlled during stop phases. Canadian Society for Brain, Behaviour and Cognitive Science 26th Annual Meeting, Ottawa.
200. Troje, N. F., Theunissen, L. (2016) Head-bobbing in pigeons: Vision or biomechanics? Annual meeting of the Society for Experimental Biology, Brighton UK.
199. Michalak, J., Rohde, K., Mischnat, J. & Troje, N. F. (2015). Our body affects what we remember – the effects of bodily manipulation on negative memory bias. 45. Congress of the European Association for Behavioural and Cognitive Therapies (EABCT), Jerusalem, Israel.
198. Weech, S., Gale, D. J., Troje, N. F. (2015) Interactions between viewing from above and global convexity priors in the interpretation of depth-ambiguous shape-from-contour drawings. Vision Science Society meeting, St Pete Beach, FL. [abstract published in: Journal of Vision 15 (12), 736]
197. Bach, M., Frommherz, V., Lagrèze, W. A., Troje, N. F. (2015) Biological motion: At what age do we recognize boys and girls? Vision Science Society meeting, St Pete Beach, FL. [abstract published in: Journal of Vision 15 (12), 492]
196. Bottari, D., Troje, N. F., Ley, P., Hense, M., Kekunnaya, R., Röder, B. (2015) Independent developmental trajectories for biological motion and face processing. International Multisensory Research Forum, Pisa.
195. Helm, F., Troje, N. F., Reiser, M. & Munzert, J. (2015) Bewegungsanalyse getäuschter und nicht-getäuschter 7m-Würfe im Handball. 47. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie, Freiburg.
194. Baetz-Dougan, M., Troje, N. F. (2014) How Does Variable Response Effort Influence Risk-Sensitive Decision Making in Pigeons? 24th Annual Meeting of CSBBCS, Toronto.
193. Fini, C., Bardi, L., Troje, N., Committeri, G., Brass, M. (2014) Simulation of intended walking action shapes extrapersonal space perception. European Conference for Visual Perception, Belgrade, Serbia.
192. Heenan, A., Baetz-Dougan, M., Tao, C., Troje, N. F. (2014) Effects of anxiety on the perception of depth-ambiguous biological motion stimuli are mediated by inhibitory ability 24th Annual Meeting of CSBBCS, Toronto.

191. Heenan, A., Best, M. W., Ouellette, S. J., Meiklejohn, E., Troje, N. F., Bowie C. R. (2014) Assessing threat responses towards the symptoms and diagnosis of schizophrenia by measuring visual perceptual biases. 4th Biennial Schizophrenia International Research Society Conference. Florence, Italy. [Abstract published in *Schizophrenia Research* 153: S263].
190. Heenan, A., Troje, N. F. (2014) Physical exercise reduces the facing-the-viewer bias for biological motion stimuli. Vision Science Society meeting, St Pete Beach, FL. [abstract published in: *Journal of Vision* 14 (10), 1015]
189. Kenny, S., Troje, N. F. (2014) Changes in camera elevation dictate perception of pointlight walkers facing direction. Vision Science Society meeting, St. Pete Beach, FL. [abstract published in: *Journal of Vision* 14 (10), 1017].
188. Weech, S., Troje, N. F. (2014) Stick figures and point-light displays: Effects of inversion on the facing-the-viewer bias Vision Science Society meeting, St Pete Beach, FL. [abstract published in: *Journal of Vision* 14 (10), 1024].
187. Bottari, D., Troje, N., Ley, P., Shenoy, B., Kekunnaya, R., & Röder, B. (2013). Early visual experience is necessary to shape global motion neural system but not biological motion. Paper presented at Society for Neuroscience.
186. Cui, A. X., Collett, M. Troje, N. F., Cuddy, L. (2013) Familiar, but I don't know about pleasantness: Acquisition and generalization of modal pitch distributions. Poster presented at the 12th Annual Auditory Perception, Cognition and Action Meeting (APCAM), Toronto.
185. Heenan, A., Best, M. W., Ouellette, S. J., Meiklejohn, E., Troje, N. F., Bowie C. R. (2013) Assessing threat responses towards individuals with schizophrenia using visual perceptual biases. Invited talk given at the Eighth Conference of the Heads Up! Early Psychosis Intervention Program, Kingston, Ontario.
184. Konar, Y., Troje, N. F. (2013) Biological motion perception in the elderly. Poster presented at the Meeting of the Canadian Association for Neuroscience, Toronto.
183. Troje, N. F., Kenny, S., Weech, S. (2013) Does linear perspective resolve depth ambiguity in biological motion displays? Poster presented at the Meeting of the Canadian Association for Neuroscience, Toronto.
182. Weech, S., Troje, N. F. (2013) Representational differences influencing the facing-the-viewer bias in the perception of ambiguous figures. Poster presented at the Meeting of the Canadian Association for Neuroscience, Toronto.
181. Troje, N. F., Kenny, S. Weech, S. (2013) Can we perceive linear perspective in biological motion point-light displays? Poster presented at the Vision Science Society meeting, Naples, FL.
180. Weech, S., Troje, N. F. (2013) Does a convexity prior explain the facing-the-viewer bias in the perception of biological motion? Poster presented at the Vision Science Society meeting, Naples, FL.
179. Reffling, E. J., Heenan, A., Troje, N. F., MacDonald, T. K. (2013) Attachment anxiety and loneliness affect physical perceptions of ambiguous figures. Paper presented at the Annual Meeting of the Society for Personality and Social Psychology, New Orleans, Louisiana.
178. Rohde, K., Troje, N. F., Michalak, J. (2012) Gait feedback and memory bias. Paper presented at the 17th Herbstakademie, Heidelberg, Germany.
177. Kroker, A. M., Li, Q., Troje, N. F. (2012) Control errors during head-bobbing in pigeons. Poster presented at the International Congress of Neuroethology, College Park, MD.
176. Troje, N. F., Kroker, A. M., Bobyk, K., Li, Q. (2012) Function and biomechanics of head-bobbing in pigeons. Poster presented at the International Congress of Neuroethology, College Park, MD.
175. Troje, N. F., Bobyk, K., Kroker, A. M., Li, Q. (2012) Biomechanics of head-bobbing in pigeons.

Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.

174. Williamson, K. E., Jakobson, L. S., Saunders, D. R., Troje, N. F. (2012) Biological motion perception in children born very prematurely. Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
173. Heenan, A., Refling, E. J., MacDonald, T. K., Troje, N. F. (2012) Loneliness and attachment anxiety affect the viewing-from-above bias while viewing stick-figure walkers. Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
172. Konar, Y., Troje, N. F. (2012) Body inversion and biological motion inversion: What is the relation? Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
171. Weech, S., Troje, N. F. (2012) Ups and downs in the relation between complexity and aesthetics: A historical perspective. Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
170. Kroker, A. M., Boby, K., Li, Q., Troje, N. F. (2012) Control errors during the hold phase of head-bobbing in pigeons. Poster presented at the 22th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
169. Troje, N. F., Lau, S. (2012) Perceived naturalness of human motion depends on internal consistency. Poster presented at the Vision Science Society meeting, Naples, FL.
168. Heenan, A., Troje, N. F. (2012) Exploring individual differences in perceptual biases in depth-ambiguous point-light walkers. Poster presented at the Vision Science Society meeting, Naples, FL.
167. Michalak, J., Burg, J., Heidenreich, T. & Troje, N. F. (2011). Embodiment, mindfulness, and depression. Paper presented at the Congress of the European Association for Behavioural and Cognitive Therapies (EABCT), Reykjavik, Iceland.
166. Troje, N. F. (2011) Perceiving people: Visual perception of biological motion. Keynote lecture presented at ACM/Eurographics Symposium on Computer Animation 2011.
165. Saunders, D. R., Troje, N. F. (2011) A test battery for assessing biological motion perception. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 11(11), 686]
164. Troje, N. F., Davis, M. (2011) Bootstrapping a prior? Effects of experience on the facing bias in biological motion perception. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 11(11), 692]
163. Troje, N. F., Saunders, D. R. (2011) The multiple faces of biological motion perception. Paper presented at the Symposium "Cognitive Neuroscience of Multimodal Person Perception" at the 18th Annual Meeting of the Cognitive Neuroscience Society, San Francisco.
162. König, A., Schölmerich, A., Troje, N. F. (2010) Attractiveness-ratings of point-light-walkers - A new method to detect pedophilia in child molesters. Paper presented at the 2010 Stockholm Criminology Symposium.
161. Troje, N. F., McAdam, M. (2010) What causes the facing-the-viewer bias in biological motion? Paper presented at the European Conference for Visual Perception. [Abstract published in *Perception* 39:150 ECVF Abstract Supplement]
160. Troje, N. F. and Aust, U. (2010) Biological motion perception in pigeons: Global shape or local motion? Poster presented at the 9th International Congress for Neuroethology, Salamanca, Spain.

159. Roddy, G., Saunders, D., Troje, N. F., Gurnsey, R (2010) Noise complicates everything: biological motion, attention and dual task performance. Poster presented at the 20th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Halifax, NS.
158. McAdam, M. Troje, N. F. (2010) The silhouette illusion: Evidence for a viewing-from-above bias. Poster presented at the 20th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Halifax, NS.
157. Troje, N. F. (2010) Gait analysis in the brain: What the visual system knows about biomechanics. Keynote lecture presented at the 16th Biannual Meeting of the Canadian Society for Biomechanics, Kingston, Ontario.
156. Michalak, J., Troje, N. F. & Heidenreich, T. (2010). Embodied effects of Mindfulness-based Cognitive Therapy. Paper presented at the World Congress of Behavioral and Cognitive Therapies, Boston, USA.
155. Michalak, J., Troje, N. F. & Heidenreich, T. (2010). Embodiment und Depression. Paper presented at the 28. Symposium der Fachgruppe Klinische Psychologie und Psychotherapie, Mainz, Germany. [Abstract published in: Zeitschrift für Klinische Psychologie und Psychotherapie 39, 26]
154. Troje, N. F. (2010) Perceptual biases in biological motion perception and other depth-ambiguous stimuli. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 10(7), 792]
153. Saunders, D. R., Williamson, D. K., Troje N. F. (2010) Distributions of fixations on biological motion displays depend on the task: Direction discrimination vs. gender classification. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 10(7), 795]
152. Hirai, M., Saunders D. R., Troje, N. F. (2010) Local motion versus global shape in biological motion: A reflexive orientation task. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 10(7), 786]
151. Chang, D. H. F., Troje, N. F. (2010) Searching for a "super foot" with evolutionary-guided adaptive psychophysics. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 10(7), 784].
150. Chang, D. H. F., Harris, L. R., Troje, N. F. (2009) Gravity exploited as a frame of reference for the perception of biological motion but not faces. Paper presented at Society for Neuroscience, Washington DC.
149. Chang, D. H. F., Harris, L. R., Troje, N. F. (2009) Reference frames for biological motion and face perception. Poster presented at the CVR Vision Conference, Toronto.
148. Chang, D. H. F., Troje, N. F. (2009) Visual sensitivity to acceleration: Effects of motion orientation, velocity, and size. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 9(8), 686]
147. Gurnsey, R., Troje, N. F. (2009) Stimulus magnification compensates for eccentricity dependent sensitivity loss for first and second order biological motion stimuli. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 9(8), 610]
146. Legault, I., Troje, N. F., Faubert, J. (2009) Biological motion targets have to be further away in virtual space for older versus younger adults to maintain good performance. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 9(8), 621]
145. Roddy, G., Troje, N. F., Gurnsey, R. (2009) Peripheral sensitivity to biological motion is unaffected by dividing attention. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: Journal of Vision, 9(8), 604]

144. Troje, N. F., Rutherford, M. D. (2009) Intact biological motion processing in adults with autism. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 9(8), 624]
143. Perry, A., Troje, N. F., Bentin, S. (2009) Motor System contributions to social interaction skills: Evidence from EEG activity in the mu frequency range. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco.
142. König, A., Schölmerich, A., Troje, N. F. (2008) Implizite Erfassung sexueller Präferenz bei Kindesmissbrauchern und Kontrollprobanden durch Point-Light-Walker. Paper presented at the 23. Münchener Herbsttagung der Arbeitsgemeinschaft für forensische Psychiatrie.
141. Murphy, P., Brady, N., Troje, N. F. (2008) Perception of biological motion in individuals with autism spectrum. Poster presented at European Conference of Visual Perception (ECVP), Utrecht. [Abstract published in: *Perception* 37 ECVP Abstract Supplement, page 113].
140. Ware, E. L. R., Saunders, D. R., Troje, N. F. (2008) Intersubjectivity in Pigeon Courtship: Does it exist? 45th Annual Meeting of the Animal Behavior Society, Snowbird, Utah.
139. Troje, N. F. (2008) Reference frames for biological motion inversion effects. Poster presented at European Conference of Visual Perception (ECVP), Utrecht. [Abstract published in: *Perception* 37 ECVP Abstract Supplement, page 151].
138. Michalak, J., Troje, N. F., Schulte, D., Heidenreich, T. (2008). Does mindfulness change the way people walk? Paper presented at the International Congress of Psychology, Berlin, Germany. [Abstract published in: *International Journal of Psychology* 43, 219]
137. Holland, G., Mody, S., Troje, N. F. (2008) Person identification across actions from biological motion. Poster presented at the Annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, London, Ontario. [Abstract published in: *Canadian Journal of Experimental Psychology* 62/4, 276]
136. Saunders, D. R., Gurnsey, R., Troje, N. F. (2008) Azimuth discrimination thresholds for global and local biological motion. Poster presented at the Annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, London, Ontario. [Abstract published in: *Canadian Journal of Experimental Psychology* 62/4, 291]
135. Chang, D.H.F., Troje, N. F. (2008) Acceleration underlies the local inversion effect in biological motion perception. Paper presented at the Annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, London, Ontario. [Abstract published in: *Canadian Journal of Experimental Psychology* 62/4, 304]
134. Troje, N. F. (2008) Something in the way she moves: The perception of biological motion. Paper presented at the 5th Science Center World Congress, Toronto. Invited talk!
133. Holland, G., Mody, S., Troje, N. F. (2008) Person identification across actions from biological motion. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 8(6), 912]
132. Chang, D. H. F., Troje, N. F. (2008) The local inversion effect in biological motion perception is acceleration-based. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 8(6), 911]
131. Willamson, K. E., Jakobson, L. S., Troje, N. F. (2008) A right-facing bias in the processing of biological motion? Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 8(6), 913]
130. Gurnsey, R., Ouhnana, M., Troje, N. F. (2008) Perception of Biological Motion Across the Visual Field. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 8(6), 901]

129. Thurman, S., Pyles, J., Troje, N. F. (2008) Critical temporal windows for natural point-light gender discrimination. Poster presented at the Vision Science Society meeting, Naples, FL. [Abstract published in: *Journal of Vision*, 8(6), 907]
128. Kuhlmeier, V., Troje, N. F., Lee, V. (2008) Detection of motion direction in point light walkers by 6-month-olds. Poster presented at the International Conference for Infant Studies, Vancouver.
127. Troje, N. F. (2008) Lessons from the Development of Sensitivity to Biological Motion: A Discussion. Paper presented at the International Conference for Infant Studies, Vancouver.
126. Troje, N. F. (2007) Empirical investigations of people and pigeons. Paper presented at the CIAR NCAP Meeting, Vancouver.
125. Freitag, C., Konrad, C., Häberlen, M., v. Gontard, A., Reith, W., Troje, N. F., Krick, C. (2007) Sense for biological movement for autistic disorder – a fMRI study. Poster presented at the DGPPN Kongress, Berlin. [Abstract published in: *Nervenarzt* 78:S259]
124. Konrad, C., Häberlen, M., v. Gontard, A., Reith, W., Troje, N. F., Krick, C., Freitag, C. (2007) Anatomic correlate of the impaired sense of biological motions for autistic disorder – A voxel based morphometric study. Poster presented at the DGPPN Kongress, Berlin. [Abstract published in: *Nervenarzt* 78:S260]
123. König, A, Schölmerich, A. and Troje, N. F. (2007) Geschlechtsspezifische Entwicklung der Anatomie und Gangdynamik im Kindes- und Jugendalter. Poster presented at the 18. Fachtagung Entwicklungspsychologie, Heidelberg.
122. Hess, R. F., Thompson, B., Hansen, B., and Troje, N. F. (2007) Peripheral vision: Good for biological motion, bad for signal noise segregation. Paper presented at European Conference of Visual Perception (ECPV), Arezzo. [Abstract published in: *Perception* 36:S62]
121. Troje, N. F. and Ware, E. L. R. (2007) Contingency and contiguity in pigeon courtship behaviour. Paper presented at the International Ethological Conference, Halifax.
120. Saunders, D., Suchan, S. and Troje, N. F. (2007) Point-light walkers with and without local motion features for determining direction. Poster presented at the CVR Vision Conference, Toronto.
119. Chang D. H. F. and Troje, N. F. (2007) Perception of animacy and direction from point-light displays. Poster presented at the CVR Vision Conference, Toronto.
118. Ware, E. L. R. and Troje, N. F. (2007) Vision for interaction: Animals perceive interactive parameters of visual signal exchange. Poster presented at the CVR Vision Conference, Toronto.
117. Halevina, A. and Troje, N. F. (2007) Sex classification of point-light walkers: Viewpoint, structure, kinematics. Poster presented at the CVR Vision Conference, Toronto.
116. Chang, D. H. F. and Troje, N. F. (2007) Animacy and direction from point-light displays: Is there a life detector? Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 481]
115. Troje, N. F. and Chang, D. H. F. (2007) Psychophysical dissociation between global and local mechanisms in biological motion perception. Paper presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 552]
114. Williamson, K., Jakobson, L. and Troje, N. F. (2007) Life detection in central and peripheral vision. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 484]
113. Thompson, B., Hansen, B. C., Hess, R. F., and Troje, N. F. (2007) Ambliopic perception of biological motion. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 485]
112. Pietrowski, A., Jakobson, L., and Troje, N. F. (2007) Biological motion perception in healthy elderly. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published

in: *Journal of Vision*, 7(9), 486]

111. Halevina, A. and Troje, N. F. (2007) Sex-classification of point-light walkers: Viewpoint, structure, kinematics. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 483]
110. Saunders, D., Suchan, J. and Troje, N. F. (2007) Point-light walkers with and without local motion features for determining direction. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 7(9), 482]
109. Ware E. and Troje, N. F. (2007) Pigeon courtship is sensitive to social contiguity but not social contingency. Paper presented at the International Conference on Comparative Cognition, Melbourne, Florida.
108. Hohmann, T., Munzert, J., and Troje, N. F. (2007) Expert versus novice differences in the perception of basketball dribbles. Paper presented at the Annual Meeting of the Arbeitsgemeinschaft für Sportpsychologie, Munich, Germany. [Abstract published in: *Journal of Sport and Exercise Psychology* 29:S86]
107. Michalak, J., Troje, N.F, Schulte, D., Heidenreich, T. (2006) Mindful walking—associations between depression, mindfulness and gait patterns. Paper presented at the 36th Congress of the European Association for Cognitive and Behavioural Therapies (EABCT), Paris.
106. Apfalter, W., Steurer, M. M., Troje, N. F., and Huber, L. (2006) Categorical versus dimensional perception of human faces by pigeons using a multiple-matching procedure. Poster presented at European Conference of Visual Perception (ECVP), St. Petersburg. [Abstract published in: *Perception* 35:S144]
105. Troje, N. F. (2006) CONSPEC, CONLEARN, and the inversion effect in biological motion perception. Paper presented at International Symposium on Social Cognition as Higher Brain Function, Keio University, Tokyo.
104. Puca, R. M., Rinkenauer, G., and Troje, N. F. (2006) Wish you were here: Peoples need for affiliation influences their perception of ambiguous point-light walkers. Poster presented at European Conference of Visual Perception (ECVP), St. Petersburg. [Abstract published in: *Perception* 35:S107]
103. König, A., Schölmerich, A., and Troje, N. F. (2006) Visual Ratings of Point-Light-Walkers - A New Method to Detect Paedophilic Interests? Annual Meeting of the International Association for Treatment of Sex Offenders. Hamburg, Germany.
102. Troje, N. F. (2006) Levels of biological motion. Paper presented at the VSS Workshop: Biological Motion - The State and Future of the Art. Sarasota, FL.
101. Troje, N. F., and Szabo, S. (2006) Why is the average walker male? Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 6(6), 1034a, <http://journalofvision.org/6/6/1034>]
100. Sadr, J., Troje, N. F., and Nakayama, K. (2006) A pedestrian courtship: attractiveness and symmetry of human walking. Paper presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 6(6), 797a, <http://journalofvision.org/6/6/797>]
99. Bockemühl, T., Troje, N. F., and Dürr, V. (2006) Principal components as motor synergies of human catching movements. Paper presented at the Annual Meeting of the Society for Experimental Biology, Canterbury, UK. [Abstract published in: *Abstr. Ann. Main Meeting Soc. Exp. Biol.*, p. 110]
98. Saunders, D., and Troje, N. F. (2006) Automated measurements of coordination in courting pigeons. Poster presented at the International Conference on Comparative Cognition, Melbourne, Florida.

97. Troje, N. F. (2005) Orientation specificity in biological motion perception: Evidence for a general "life detector"? Paper presented at the CIAR NCAP Meeting, Vancouver.
96. Troje, N. F. (2005) Levels of biological motion perception. Paper presented at the 46th Annual Meeting of the Psychonomic Society, Toronto. [Abstract published in: Abstracts of the Psychonomic Society 10, p. 32]
95. Sadr, J., Troje, N. F., and Nakayama, K. (2005) Axes vs averages: High-level representations of dynamic point-light forms. Paper presented at OPAM (Object Perception, Attention, Memory), Toronto.
94. Westhoff, C., and Troje, N. F. (2005) Personenidentifikation anhand von biologischer Bewegung – strukturelle und kinematische Parameter. Forschungs-Symposium Sonification, Cologne, Germany.
93. Nathaniel, T., Güntürkün, O., Manns, M. and Troje, N. F. (2005) Head-bobbing in pigeons under stroboscopic illumination. Poster presented at the Canadian Society for Brain, Behaviour and Cognitive Science 15th Annual Meeting, Montreal.
92. Troje, N. F. (2005) Local and global information in biological motion. Paper presented at the CIAR workshop: Extracting Human Motion from Video, Toronto.
91. Loidolt, M., Troje, N. F. and Huber L. (2005) Discrimination of biological motion patterns by pigeons. Poster presented at the International Ethological Conference, Budapest, Hungary.
90. Provost, M., Troje, N. F. and Quinsey, V. (2005) Variations in gait across the menstrual cycle. Paper presented at the Conference of the Human Behavior and Evolution Society, Austin, Texas.
89. Gibson L. A., Sadr, J., Troje, N. F. and Nakayama, K. (2005) Perception of biological motion at varying eccentricity. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 5(8), 16a, <http://journalofvision.org/5/8/16>]
88. Jokisch, D., Daum, I., Koch, B., Schwarz, M. and Troje, N. F. (2005) Biological motion versus coherent motion perception: The role of the cerebellum. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 5(8), 934a, <http://journalofvision.org/5/8/934>]
87. Sadr, J., Troje, N. F. and Nakayama, K. (2005) Attractiveness, averageness, and sexual dimorphism in biological motion. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 5(8), 943a, <http://journalofvision.org/5/8/943>]
86. Troje, N. F. and Westhoff, C. (2005) Detection of direction in scrambled motion: a simple "life detector"? Paper presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 5(8), 1058a, <http://journalofvision.org/5/8/1058>]
85. Troje, N. F. (2005) Data driven information retrieval from human gait. Paper presented at the Annual Meeting of the Gait and Clinical Movement Analysis Society, Portland, USA.
84. Vocks, S., Legenbauer, T., Kiszkenow, S., Troje, N. F., Schulte, D. (2005) Körperbildtherapie bei Essstörungen: Beeinflussung der perzeptiven, kognitiven, affektiven und behavioralen Körperbildkomponente. Paper presented at the 10. Kongress der Deutschen Gesellschaft für Verhaltensmedizin und Verhaltensmodifikation (DGVM), München, Germany.
83. Jimenez Ortega, L., Güntürkün, O. and Troje, N. F. (2005) Interocular transfer in pigeons between the two yellow fields. Poster presented at the 30th Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Zimmermann, H. (eds.): Proceedings of the 30th Göttingen Neurobiology Conference and the 6th Meeting of the German Neuroscience Society 2005, p. 180A, Georg Thieme, Stuttgart]
82. Bockemühl, T, Dürr, V. and Troje, N. F. (2005) A small set of principal components can efficiently

describe human arm movement. Poster presented at the 30th Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Zimmermann, H. (eds.): Proceedings of the 30th Göttingen Neurobiology Conference and the 6th Meeting of the German Neuroscience Society 2005, p. 85A, Georg Thieme, Stuttgart]

81. Jimenez Ortega, L. and Troje, N. F. (2004) Why do birds bob their heads? Poster presented at the Winter Meeting of the Association for the Study of Animal Behaviour: Phylogenies and Behaviour, London.
80. Troje, N. F. (2004) The correlative nature of biological motion patterns: data driven motion analysis. Paper presented at the 11th Altenberg Workshop in Theoretical Biology, Altenberg, Austria.
79. Troje, N. F. (2004) Perception of biological motion and the work of Etienne-Jules Maray. Paper presented at the 21ème congrès du Club Locomotion et Motricité Rythmique (keynote lecture). Beaune, France.
78. Vocks, S., Legenbauer, T., Troje, N.F., Hupe, C., Lumma, C., Stadtfeld-Oertel, P., Rudolph, M., Schulte, D. (2004) Statisches und dynamisches Körperbild Anorexia und Bulimia nervosa. Poster presented at the 22. Symposium Klinische Psychologie und Psychotherapie, Fachgruppe Klinische Psychologie und Psychotherapie der Deutschen Gesellschaft für Psychologie, Halle, Germany.
77. Vocks, S., Legenbauer, T., Troje, N.F., Hupe, C., Rüdell, H., Stadtfeld-Oertel, P., Rudolph, M., Schulte, D. (2004) Static and dynamic body image in anorexia and bulimia nervosa. Poster presented at the European Congress of Behaviour and Cognitive Therapies of the European Association of Cognitive and Behavioural Therapies, Manchester, UK.
76. Legenbauer, T., Vocks, S., Troje, N.F., Betz, S., Rudolph, Rüdell, H., M., Schulte, D. and Hiller, W. (2004) To what extent do obese binge eaters show body image distortions? Poster presented at the European Congress of Behaviour and Cognitive Therapies of the European Association of Cognitive and Behavioural Therapies, Manchester, UK.
75. Nathaniel, I.T. , Güntürkün, O., Manns M. and Troje, N. F. (2004) Nucleus triangularis: anatomical evidence of efference copy for head-bobbing in pigeons. Poster presented at the 7th International Congress for Neuroethology, Nyborg, Denmark.
74. Jiménez Ortega, L., Troje, N.F. and Güntürkün, O. (2004) Limits of intraocular transfer in pigeons. Poster presented at the 7th International Congress for Neuroethology, Nyborg, Denmark.
73. Troje, N.F. (2004) Retrieving information from biological motion. Paper presented at the Canadian Society for Brain, Behaviour and Cognitive Science 14th Annual Meeting, St. John's, NF.
72. Vocks, S., Legenbauer, T., Troje, N.F., Zumfelde, M., and Hildenbrand, S. (2004) Static and dynamic body image and eating disorders among non-professional ballet dancers. Poster presented at the Eighth International Congress of Behavioral Medicine, Mainz, Germany.
71. Nathaniel I.T., Troje N.F., Güntürkün O. and Manns M. (2004) Efference copy: The motoric command for head-bobbing in pigeons. Poster presented at the ECNP Workshop on Neuropsychopharmacology. [Abstract published in: European Neuropsychopharmacology, vol. 14. suppl.1; 34-35]
70. Westhoff, C. and Troje, N.F. (2004) Person identification from biological motion: information content of discrete Fourier components. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 4(8), 217a, <http://journalofvision.org/4/8/217>]
69. Troje, N.F. (2004) Inverted gravity, not inverted shape impairs biological motion perception. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: Journal of Vision, 4(8), 227a, <http://journalofvision.org/4/8/227>]

68. Jokisch, D., Daum, I., and Troje, N.F. (2004) Self recognition versus recognition of others by biological motion: Viewpoint-dependent effects. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 4(8), 237a, <http://journalofvision.org/4/8/237>]
67. Westhoff, C. and Troje, N.F. (2004) Identification of point light walkers from varying viewpoints. Poster presented at the Tagung experimentell arbeitender Psychologen (TEAP).
66. Westhoff, C. and Troje, N.F. (2004) Person identification from biological motion: viewpoint dependencies. Poster presented at the 7th Tübinger Wahrnehmungskonferenz. [Abstract published in: Bülthoff, H.H., Mallot, H.A., Ulrich, R.D., Wichmann, F. A. (eds.): 7th Tübingen Perception Conference Proceedings, p.179, Knirsch Verlag, Kirchentellinsfurt]
65. Jokisch, D., Daum, I., Troje, N. F. (2004) Recognizing friends from different viewpoints: biological motion as cue for identity. Poster presented at the 7th Tübinger Wahrnehmungskonferenz. [Abstract published in: Bülthoff, H.H., Mallot, H.A., Ulrich, R.D., Wichmann, F. A. (eds.): 7th Tübingen Perception Conference Proceedings, p.186, Knirsch Verlag, Kirchentellinsfurt]
64. Jokisch, D., Kress, T., Daum, I., and Troje, N. F. (2003) Encoding and recognition of biological motion: An event related potential study. Poster presented at Neuro-Visionen: Hirnforschung im 21. Jahrhundert, Düsseldorf.
63. Jimenez-Ortega, L., and Troje, N.F. (2003) Differential motion parallax as a monocular depth cue? Poster presented at Neuro-Visionen: Hirnforschung im 21. Jahrhundert, Düsseldorf.
62. Troje, N. F. and Bach, M. (2003) Adaptation: The psychophysicist's microelectrode. Symposium at the 29th Göttingen Neurobiology Conference 2003. [Abstract published in: Elsner, N. and Zimmermann, H. (eds.): Proceedings of the 29th Göttingen Neurobiology Conference and the 5th Meeting of the German Neuroscience Society 2003, p. 121, Georg Thieme, Stuttgart]
61. Troje, N. F. and Geyer, H. (2003) High level after-effects in biological motion perception. Paper presented at the 29th Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Zimmermann, H. (eds.): Proceedings of the 29th Göttingen Neurobiology Conference and the 5th Meeting of the German Neuroscience Society 2003, p. 125, Georg Thieme, Stuttgart]
60. Huber, L., Loidolt, L. and Troje, N. F. (2003) Viewpoint-dependent recognition of depth-rotated objects by pigeons. Paper presented at the International Ethology Conference, Brazil.
59. Troje, N. F. (2003) Gender and attractiveness from biological motion. Paper presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 3(9), 86a, <http://journalofvision.org/3/9/86>]
58. Jimenez-Ortega, L. and Troje, N. F. (2003) Differential motion parallax as a monocular depth cue? Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 3(9), 855a, <http://journalofvision.org/3/9/855>]
57. Jokisch, D., Troje, N. F., Kress T. and Daum, I. (2003) Inversion effects on the structural encoding and recognition of biological motion. Paper presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 3(9), 87a, <http://journalofvision.org/3/9/87>]
56. Johnston, A., Watson, T. L., Hill, H.C.H., Troje, N. F. (2003) Viewpoint invariance of facial movement. Paper presented at the 13th conference of the European Society for Cognitive Psychology, Sept. 17 - 20, 2003, Granada, Spain.
55. Troje, N. F. (2003) Motion Mining: Retrieving information from human walking patterns. Invited talk presented at the EURESCO Conference on Three Dimensional Sensory and Motor Space, Acquafredda di Maratea, Italy.
54. Jokisch, D., Troje, N. F., Kress T. and Daum, I. (2003) Event-related brain potentials distinguish

processing stages involved in the perception of biological motion. Poster presented at the EURESCO Conference on Three Dimensional Sensory and Motor Space, Acquafredda di Maratea, Italy.

53. Patton, T., Yelda, S., Buschmann, J.-U., Troje, N. F. and Shimizu, T. (2003) Courtship displays of male pigeons can be triggered by video-taped and computer animated pigeons. Paper presented at the International Conference on Comparative Cognition, Melbourne, FL.
52. Troje, N. F. (2002) Decomposing biological motion: Analysis and Synthesis. Paper presented at ESRC Workshop on Exaggeration and Visual Categorisation, Glasgow.
51. Troje, N. F. and Geyer, H. (2002) High level after-effects in biological motion perception. Paper presented at European Conference of Visual Perception (EVP) 2002, Glasgow. [Abstract published in Perception 31:S152]
50. Cunningham, D. W., Thornton, I. M., Troje, N. F., and Bühlhoff H. H. (2002) Searching for gender-from-motion. Poster presented at European Conference of Visual Perception (EVP) 2002, Glasgow. [Abstract published in Perception 31:S120]
49. Hill, H., Pollick, F. E., Kamachi, M., Troje, N. F., Watson, T., and Johnston, A. (2002) Using the principals of facial caricature to exaggerating human motion. Paper presented at European Conference of Visual Perception (EVP) 2002, Glasgow. [Abstract published in Perception 31:S60]
48. Pinnow, M., Engelke, D., Troje, N. F. and Schölmerich, A. (2002) Recognition of rotated faces by three and six month old infants. Poster presented at Euresco Conference "Brain Development and Cognition in Human Infants" Acquafredda Di Maratea, Italy.
47. Troje, N. F. (2002) Gender and personality in human gait. Paper presented at the TEAP (Tagung experimentell arbeitender Psychologen), Chemnitz, Germany. [Abstract published in: Baumann, M., Keinath A., Krens J. F. (eds.): Experimentelle Psychologie, p.25, Roderer Verlag, Regensburg]
46. Troje, N. F. and Förster, A. (2002) What means "upside down"? Reference frames for the inversion effects in face recognition and biological motion detection. Poster presented at the 5. Tübinger Wahrnehmungskongferenz. [Abstract published in: Bühlhoff, H.H., Mallot, H.A., Ulrich, R.D., Wichmann, F. A. (eds.): 5th Tübingen Perception Conference Proceedings, p.125, Knirsch Verlag, Kirchentellinsfurt]
45. Lavrov, M. and Troje, N. F. (2002) Individual recognition from biological motion: Structural versus dynamic information. Poster presented at the 5. Tübinger Wahrnehmungskongferenz. [Abstract published in: Bühlhoff, H.H., Mallot, H.A., Ulrich, R.D., Wichmann, F. A. (eds.): 5th Tübingen Perception Conference Proceedings, p.115, Knirsch Verlag, Kirchentellinsfurt]
44. Richwien, S. and Troje, N. F. (2002) Gender discrimination from biological motion: What kind of information is used? Poster presented at the 5. Tübinger Wahrnehmungskongferenz. [Abstract published in: Bühlhoff, H.H., Mallot, H.A., Ulrich, R.D., Wichmann, F. A. (eds.): 5th Tübingen Perception Conference Proceedings, p.114, Knirsch Verlag, Kirchentellinsfurt]
43. Troje, N. F. (2001) Head-bobbing in pigeons: Evidence for differential motion parallax computation during landing flight. Poster presented at the International Congress of Neuroethology, Bonn, Germany.
42. Troje, N. F. (2001) A linearized representation for the analysis and synthesis of animate motion. Paper presented at the 28th Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Kreuzberg, G. W. (eds.): Proceedings of the 28th Göttingen Neurobiology Conference Vol. I, p. 275, Georg Thieme, Stuttgart]
41. Thornton, I.M., Cunningham, D.W., Troje, N.F., & Bühlhoff, H.H. (2001). "You can tell by the way I use my walk...": New studies of gender and gait. Poster presented at the Vision Science Society

- meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 1(3), 354a, <http://journalofvision.org/1/3/354>]
40. Troje, N.F. (2001). Decomposing biological motion: A linear model for analysis and synthesis of human gait patterns. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 1(3), 355a, <http://journalofvision.org/1/3/355>]
 39. Jokisch, D., Midford, P.E., & Troje, N.F. (2001) Biological motion as a cue for the perception of absolute size. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 1(3), 357a, <http://journalofvision.org/1/3/357>]
 38. Buschmann, J-U. F. & Troje, N.F. (2001). An illumination induced visual illusion that affects the perceived width of a human head. Poster presented at the Vision Science Society meeting, Sarasota, FL. [Abstract published in: *Journal of Vision*, 1(3), 290a, <http://journalofvision.org/1/3/290>]
 37. Loidolt, M., Huber L. and Troje, N. F. (2001) Does motion facilitate shape perception in pigeons? Paper presented at the XXVII International Ethological Conference, Tübingen, Germany.
 36. Bergert, S., Hausmann, M., Troje, N. F. and Güntürkün, O. (2001) Der Einfluss von Stimulusmerkmalen auf die Lateralisierung der Gesichterwahrnehmung. Paper presented at the TEAP (Tagung experimentell arbeitender Psychologen), Regensburg, Germany.
 35. Troje, N. F. and Jokisch, D. (2001) Biologische Bewegung enthält Größeninformation: Können wir die lesen? Poster presented at the TEAP (Tagung experimentell arbeitender Psychologen), Regensburg, Germany.
 34. Jokisch, D. and Troje, N. F. (2001) Die Wahrnehmung absoluter Größe in biologischer Bewegung. Poster presented at the 4. Tübinger Wahrnehmungskongferenz. [Abstract published in: Bülthoff, H. H., K. R. Gegenfurtner, H. A. Mallot and Ulrich R. (eds.), *Beiträge zur 4. Tübinger Wahrnehmungskongferenz*, p. 127. Kirchentellinsfurt: Knirsch Verlag.] Awarded with the Best Student Poster Award!
 33. Troje, N. F. (2001) Recognizing periodic actions: invariants for visual discrimination between human gait patterns. Poster presented at the 4. Tübinger Wahrnehmungskongferenz. [Abstract published in: Bülthoff, H. H., K. R. Gegenfurtner, H. A. Mallot and Ulrich R. (eds.), *Beiträge zur 4. Tübinger Wahrnehmungskongferenz*, p. 128. Kirchentellinsfurt: Knirsch Verlag.]
 32. Troje, N. F. and Hausmann, M. (2000) Hemispheric dissociation of shape and texture processing during encoding and recognition of human faces. Poster presented at OPAM (Object Perception, Attention, Memory), New Orleans.
 31. Troje, N. F. and Frost, B. J. (1999) Evidence for active vision during the thrust-phase of the pigeon's head-bobbing. Paper presented at the Ninth Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Edmonton, Alberta.
 30. Frost, B. J. and Troje, N. F. (1999) Gesture interfaces and naturalistic virtual animals. Paper presented at the IRIS Conference "From Virtual to Reality", Toronto.
 29. Huber, L., Troje, N. F., Loidolt, M. and Aust, U. (1999) Pigeons classify human faces by attending to their surface properties. Paper presented at the European Conference for Visual Perception. [Abstract published in *Perception* 28 ECVF Abstract Supplement]
 28. Collin, C., Liu, C. H., Troje, N. F. and Chaudhuri, A. (1999) An asymmetrical link between names and faces in the 3/4 view. Poster presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 30 (4), S348]
 27. Troje, N. F. and Frost, B. J. (1999) Analysis of biological motion in the pigeon's courtship display. Paper presented at the International Conference on Comparative Cognition, Melbourne, FL.

26. Troje, N. F. and Frost, B. J. (1998) The physiological fine structure of motion sensitive neurons in the pigeon's tectum opticum. Poster presented at Neuroscience 98, Los Angeles, CA.
25. Huber, L., Troje, N. F., Loidolt, M. and Aust U. (1998) The pigeon paradigm: complex categorisation with simple perceptual tools. Poster presented at the European Conference for Visual Perception, Oxford.
24. Frost, B. J., Troje, N. F. and David S. (1998) Pigeon courtship behaviour in response to live birds and video presentations. Poster presented at The Fifth International Congress of Neuroethology, San Diego, CA.
23. Troje, N. F., Frost, B. J. and David, S. (1998) An ethogram of the pigeon's bowing display. Poster presented at The Fifth International Congress of Neuroethology, San Diego, CA.
22. Troje, N. F., Huber, L., Loidolt, U. and Fieder, M. (1998) Correspondence-based representations of complex object classes: The role of visual texture and shape in classification experiments with pigeons. Paper presented at the 91. Jahresversammlung der Deutschen Zoologischen Gesellschaft, Leipzig.
21. Troje, N. F. and Symons, L. A. (1998) Search asymmetries for shaded disks are not present for shaded faces. Poster presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 39 (4), S166]
20. Loidolt, M., Aust, U., Huber, L., Troje, N. F. and Fieder, M. (1998) Die Bedeutung von Textur und Form in einer komplexen Kategorisierungsaufgabe bei Tauben. Poster presented at the 1. Tübinger Wahrnehmungskonferenz. [Abstract published in: Bülhoff, H. H., Fahle, M., K. R. Gegenfurtner and H. A. Mallot (eds.), *Visuelle Wahrnehmung: Beiträge zur 1. Tübinger Wahrnehmungskonferenz*, p. 110. Kirchentellinsfurt: Knirsch Verlag.]
19. Schwarzer, G. and Troje, N. F. (1997) Verarbeitung schematisch gezeichneter und natürlicher Gesichter bei Kindern und Erwachsenen. Paper presented at the Tagung experimentel arbeitender Psychologen, Berlin. [Abstract published in: van der Meer et al. (eds.): *Experimentelle Psychologie*, pp. 208]
18. Troje, N. F. and Siebeck U. (1997) Apparent orientation shift of human faces induced by changing the illuminant's position. Poster presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 38 (4), S1002]
17. Troje, N. F. and Siebeck U. (1997) Apparent illumination induced orientation shift of human faces depends on the absolute orientation of the face. Poster presented at the 25th Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Wässle, H. (eds.): *Proceedings of the 25th Göttingen Neurobiology Conference Vol. II*, pp. 1003, Georg Thieme, Stuttgart]
16. Siebeck, U. and Troje, N. F. (1997) Judging the Orientation of Human Faces: Effects induced by varying the illumination. Poster presented at the European Conference for Visual Perception, Helsinki. [Abstract published in *Perception* 26:55]
15. Loidolt, M., Troje, N. F., Huber, L., Augst, U. and Fieder, M. (1997) The role of texture and shape in complex visual perception in pigeons. Talk presented at the 25th International Ethological Conference, Vienna. [Abstract published in *Ethology suppl.* 32:93]
14. Troje, N. F. and Vetter, T. (1996) Pixel-based versus correspondence-based representations of human faces: Implications for sex discrimination. Paper presented at the European Conference for Visual Perception, Strasbourg. [Abstract published in *Perception* 25:52]
13. Troje, N. F. and Bülhoff H. H. (1996) Bilateral symmetry of human faces helps to generalize to novel views. Poster presented at the 24th Göttingen Neurobiology Conference. [Abstract

published in: Elsner, N. and Schnitzler, H.-U.(eds.): Proceedings of the 24th Göttingen Neurobiology Conference Vol. II, pp. 775, Georg Thieme, Stuttgart]

12. Troje, N. F. and Bühlhoff H. H. (1996) What is the basis for good performance to symmetric views of faces? Paper presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in Investigative Ophthalmology and Visual Science, 37 (3), S194]
11. Schwenzer K., Hoffmann J., Troje N. F., Cornelius C.P., Willer J., Schwenzer N. (1996) Moderne Aspekte in der Gesichtsprofilanalyse. 46. Poster presented at the Kongress der Deutschen Gesellschaft fuer Mund-, Kiefer- und Gesichtschirurgie, 28.5.-1.6.1996, Regensburg.
10. O'Toole, A., Vetter, T., Troje, N. F. , and Bühlhoff, H. H. (1996) Classifying faces by sex is more accurate with 3D shape information than with texture. Poster presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in Investigative Ophthalmology and Visual Science, 37 (3), S176]
9. Braje, W. F., Kersten, D., Tarr, M. and Troje N. F. (1996) Illumination and shadows influence face recognition. Poster presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in Investigative Ophthalmology and Visual Science, 37 (3), S176]
8. Troje, N. F. and Bühlhoff, H. (1995) Viewpoint invariance in face recognition: a closer look. Paper presented at the European Conference for Visual Perception, Tübingen. [Abstract published in Perception 24:13]
7. Bricolo, E., Mendola, J. D., Cole, A. J., Cosgrove, G. R., Corkin, S., Troje, N. F. and Bühlhoff, H. H. (1995) Impairment of immediate visual recognition after unilateral temporal lobectomy. Paper presented at the European Conference for Visual Perception, Tübingen. [Abstract published in Perception 24:113]
6. Troje, N. F. and Bühlhoff, H. (1995) Generalization to novel viewpoints of facial surfaces. Poster presented at the 23rd Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Menzel, R. (eds.): Proceedings of the 23rd Göttingen Neurobiology Conference Vol.1, pp. 49, Georg Thieme, Stuttgart]
5. Troje, N. F. and Bühlhoff, H. (1995) Generalization to novel views of faces: shaded surface models vs. fully textured models. Paper presented at the Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. [Abstract published in Investigative Ophthalmology and Visual Science, 36 (4), S15]
4. Troje, N. (1994) Von Fliegen und Menschen: Helligkeitsinformation in der Wellenlängenunterscheidungsfunktion. Paper presented at the Tagung experimentell arbeitender Psychologen, München.
3. Troje, N. and Dürbeck, T. (1994) Is the blowfly receptor class R1-6 involved in colour vision? Poster presented at the 22nd Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Breer, H. (eds.): Proceedings of the 22nd Göttingen Neurobiology Conference Vol.1, pp. 28, Georg Thieme, Stuttgart]
2. Troje, N. and Vogt, K. (1994) From chromophors to chromatics: wavelength discrimination in *Lucilia spec.* Paper presented at the 22nd Göttingen Neurobiology Conference. [Abstract published in: Elsner, N. and Breer, H. (eds.): Proceedings of the 22nd Göttingen Neurobiology Conference Vol.1, pp. 5, Georg Thieme, Stuttgart]
1. Troje, N. and Vogt, K. (1993) Photopigments and color vision in the blowfly. Paper presented at the Fifth Congress of the European Society for Photobiology, September 19-26 1993, Marburg, Germany.

