

Curriculum vitae

Rick O. Gilmore

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Research interests

- Developmental cognitive neuroscience.
- Neural processes of perception, action planning, and memory.
- Quantitative models of perceptual, cognitive, and motor development.
- Data sharing, open, transparent, and reproducible research practices.

Education

Ph.D., Psychology 1997	Carnegie Mellon University and the Center for the Neural Basis of Cognition, Pittsburgh, PA.
M.S., Psychology 1994	Carnegie Mellon University, Pittsburgh, PA.
A.B., Cognitive Science <i>magna cum laude</i> 1985	Brown University, Providence, RI.

Professional Experience

2008 - 2014	Director of Human Imaging, Penn State Social, Life, & Engineering Sciences Imaging Center
2008 - present	Huck Institutes of the Life Sciences Faculty Co-fund
2004 – present	Associate Professor, Department of Psychology, The Pennsylvania State University
1997- 2004	Assistant Professor, Department of Psychology, The Pennsylvania State University, University Park, PA. Member of the Graduate School Faculty (1997- present) and of the Graduate Faculty of the Integrative Biosciences (IBIOS) Graduate Program in Neuroscience (1999-present).
1994-97	Instructor, Graduate Teaching and Research Assistant, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA.
1991-92	Program Director, International Neural Network Society and National Foundation for Brain Research, Washington, DC.
1991	Executive Director, D.C. Cares, Inc., Washington, DC.
1988-91	Vice President, Tucker & Associates, Washington, DC.
1986-88	Development Associate and Director of Research and Development, 70001 Training & Employment Institute, Washington, DC.

Grants

- 2015 "Eye tracking technologies to characterize and optimize visual attending in Down syndrome." Eunice Kennedy Shriver National Institute for Child Health and Human Development, R01-HD083381, Co-I (Krista Wilkinson, PSU-CSD, PI).
- 2015 "Children's neural processing of the emotional environment: Angry voices." National Institute of Mental Health, R21-MH-104547, \$406,900, Co-I (Pamela Cole, PSU, PI).
- 2015 "Promoting data management, sharing, and reuse in developmental science." Society for Research in Child Development, \$20,000. Co-PI (Karen Adolph, NYU, PI).
- 2013 "Databrary: An open video-based data-sharing system for developmental science." Eunice Kennedy Shriver National Institute for Child Health and Human Development, U01-HD-076595-01, \$3,655,339, (04/05/13-03/31/18). Co-I. (Karen Adolph, NYU, PI).
- 2012 "Databrary: An open video-based data-sharing system for developmental science." National Science Foundation, NSF SBE 1238599, \$2,443,000, (9/15/12-08/31/14). Karen Adolph, Rick Gilmore, & David Millman, Co-PIs.
- 2012 "INSPIRE: Symmetry group-based regularity perception in human and computer vision." National Science Foundation, NSF 1248076, \$800,000, (10/1/12-09/30/15). Yanxi Liu, Rick Gilmore, & Anthony Norcia, Co-PIs.
- 2012 "The development and dynamics of cortical motion processing." National Science Foundation, NSF 1147440, \$385,000, (6/15/12-5/31/15). PI.
- 2010 "Neural bases and computational models of symmetry detection." Penn State Institutes of the Neurosciences, \$39,451, Rick Gilmore, Yanxi Liu, & Joe Stitt, PIs.
- 2010 "Alcohol links to brain and behavior: A short-term longitudinal study in Penn State freshmen." Penn State Institutes of the Neurosciences, \$39,870, Sheri Berenbaum & Rick Gilmore, PIs.
- 2010 "How the emotional environment shapes the developing brain." Penn State Children, Youth, and Families Consortium, \$20,765, Pamela Cole, PI.
- 2005 "The onset of locomotion: A setting event in early development across multiple domains." Penn State University: Children, Youth, and Families Consortium, \$19,975. Laura Murray-Kolb & Rick Gilmore, PIs. (9/1/05-present).
- 2002 "Model-Based Approaches to Infant Habituation." National Institutes of Health, \$141,400 (7/1/02-6/30/04). PI; Hoben Thomas, Investigator.
- 2001 "CAREER: The Development of Heading Perception in Infancy." National Science Foundation, \$394,070 (4/1/01-3/31/06). PI.
- 2001 "Modeling Sustained Effortful Attention in Children: Time Series Analysis of Multiple Channels." Penn State University; Children, Youth and Families Consortium; Mark Feinberg, PI. C. Blair, R. Gilmore, K. Newell, J. Kuha, M. Greenberg, & C. Stifter, collaborating investigators. \$9,950 (9/1/01-8/31/02).
- 2000 "The Development of Perception and Action Coupling in Early Childhood." Penn State University, College of the Liberal Arts Research and Graduate Studies Office, \$6,000 (7/1/00-6/30/01).
- 1999 "The Development of Perception and Action Coupling in Early Childhood." Penn State University; Children, Youth, and Families Consortium; \$9,840 (2/1/00-1/31/01). Co-PI with Dr. Seymon Slobounov, Department of Kinesiology.
- 1996 "Development of Spatial Frames of Reference for Visually Guided Saccades." American Psychological Association Dissertation Research Award, \$1,000 (9/1/96-8/31/97).

1996 "Development of Spatial Frames of Reference for Visually Guided Saccades." Sigma Xi Grant-in-Aid of Research, \$500, (9/1/96-8/31/97).

Honors & Awards

2014 Marie Curie Visiting Professorship, Centre for Brain and Cognitive Development, Birkbeck College, University of London.

2006 Tenure line faculty teaching award from the College of the Liberal Arts.

2005 College of the Liberal Arts Faculty Marshal for the Department of Psychology

1994 IXth International Conference on Infant Studies Graduate Student Research Award.

1994 James S. McDonnell Foundation Cognitive Neuroscience Summer Institute Fellowship.

1992, 1993 Honorable Mention, U.S. National Science Foundation Graduate Fellowship Award Competition.

1992 U.S. National Institute of Mental Health Predoctoral Training Award.

Service & Affiliations

Editorial Boards:

Infancy (2007-2013)
Frontiers in Human Neuroscience (2007-)
Scientific Data (2016-)

Ad hoc article reviewer:

Behavior Research Methods, Instruments & Computers
Child Development
Developmental Psychology
Developmental Science
Infancy
Infant Behavior and Development
Journal of Cognitive Neuroscience
Journal of Experimental Child Psychology
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: General
Nature
Perception
Psychological Review
Psychological Science
Psychonomic Bulletin & Review
Visual Cognition
Vision Research
Science

Grant reviewer:

National Science Foundation
College of the Liberal Arts Research and Graduate Studies Office
National Institutes of Health, Perception & Cognition Panel, ad hoc member (2009)
Swiss National Science Foundation

Service to Penn State:

Bicycle User's Group Community / Faculty Representative (2002-2003)

Neuroscience Minor Committee (2001-2005)
Penn State Institute for Neuroscience (PSIN) Steering Committee (2008-)

Psychobiology Area Coordinator (1998-1999)
Psychobiology Search Committee (1999-2000)
Psychology Department Teaching Committee (1998-1999)
Specialization in Cognitive and Affective Neuroscience Steering Committee (2001-present)
Psychology Department Cognitive Area Search Committee (2002-2003)
Psychology Department Planning and Advisory Committee (2002-2004; 2012-)
Psychology Department Developmental Neuroscience Search Committee (2003-2004)
Cognitive Area Coordinator (2005-2007)
Child Study Center Steering Committee (2005-)
FiRST Families Advisory Committee (2005-)
Developmental Behavior Genetics Search Committee (2006-2007)
Developmental Area Search Committee (2006-2007)
Promotion and Tenure Committee (2006-2012)
Neuroscience Search Committee (2008-2009)
Culture & Context Search Committee (2009-2010)
Developmental Neuroscience Search Committee (2010-2011)
Penn State Institute of the Neurosciences Steering Committee (2010-)
Cyberinfrastructure Steering Committee (2010-2011)
Systems neuroscience search committee (2012-2013)
Psychology Department Planning and Advisory Committee (2012-)
Psychology Department Graduate Training Committee (2013-2014)
Research CyberInfrastructure Governance Task Force (2014)

Social, Life, & Engineering Sciences Imaging Center Steering Committee Chair (2008)
Director of Human Imaging, Social, Life, & Engineering Sciences Imaging Center (2008-2014)
SLEIC Physicist Search Committee Chair (2013)
SLEIC Associate Director/Research Affiliate Search Chair (2013)
SLEIC MR Technologist Search Chair (2013-2014)
Social Sciences Research Institute Internal Advisory Committee (2008-2014)

Professional affiliations:

American Association for the Advancement of Science
Association for Psychological Science
International Congress on Infant Studies
Vision Sciences Society
Society for Neuroscience
Society for Research in Child Development

Service to the community:

Christmas in April, Washington, DC., Volunteer & Project Coordinator (1988-1989)
Volunteers for the Visually Handicapped, volunteer (1987-1989)
Brown University Club of Washington, DC, Vice President for Programming (1989-1990)
Brown Alumni Club of Western Pennsylvania, student interviewer (2003-present)
Acoustic Brew Coffeehouse, Inc., Member of the board (2000-present), Vice President (2002-2003), President (2005-2007)
Bellefonte Central Rail Trail project management team (2002-2007)
Centre Region Bicycle Coalition, Executive Committee (2001-2007), Treasurer (2003), President (2006-2007)
Centre Rails-to-Trails Association, Founding member & volunteer (2000-2005)
State College Borough Transportation Commission (2003-2005)
Elections Clerk, State College Borough Precinct 26 (2008-2014)
Judge of Elections, State College Borough Precinct 26 (2014-)
State College Community Theatre (2011-2013), President (2011-2013), member/performer (2010-)
The Next Stage Theatre (2012-2014). Actor

Teaching and Advising

Undergraduate courses:

Introduction to psychology
Introduction to perception
Neurological bases of human behavior
Clinical and cognitive neuropsychology
Cognitive neuroscience
Lectures in the neuroscience of vision

Graduate courses:

Brain development and cognition
Brain and behavioral plasticity
Foundations of cognitive and affective neuroscience

Other activities:

Co-founded teaching lab for psychobiology courses (1998).
Co-founded shared-use electroencephalography (EEG) research laboratory (2006).
Served as founding director of Penn State's Social, Life, & Engineering Sciences Imaging Center (2008-2014).
Co-founder of the Databrary.org digital data library (2012-).

Theses Supervised:

Heather J. Rettke, M.S., 2000
K.H. Grobman, M.S., 2002, Ph.D. 2003
Lisa Rohrer, M.S., 2004
Adam Christensen, M.S., 2007
Rebecca Von Der Heide, M.S., 2008, Ph.D., 2011
Jeremy Fesi, M.S., 2010, Ph.D., 2012
Ken Hwang, M.S., 2012
Amanda Thomas, M.S., 2012, Ph.D., 2016

Chloe Bomberger, B.S., with honors, 1999
Sandra Smeets, B.S., with honors, 2000
David Klass, B.S., with honors, 2001
Thomas J. Baker, B.S., with honors, 2002
Emily Grimsrud, B.S., with honors, 2004
Kasey Soska, B.S., with honors, 2005
Jung Min Lee, B.S., with honors, 2005
Kristin Zendlock, B.S., with honors, 2005
Stephen Mattes, B.S., with honors, 2008
Lorena Gonzalez, B.S., with honors, 2014
Shivam Vedak, B.S., with honors, 2014
William Adamiak, B.S., with honors, 2015

Publications

Books

Johnson, M.H., Munakata, Y., & **Gilmore, R.O.** (2002). *Brain development and cognition: A reader*, 2nd Ed. Cambridge: Blackwell.

Peer-reviewed Articles

Gilmore, R.O., Adolph, K.E., & Millman, D.S. (2016). Curating identifiable data for sharing: The Databrary project. Paper presented at the New York Scientific Data Summit.

Gilmore, R.O., Thomas, A.L., & Fesi, J.D. (2016). Children's brain responses to optic flow vary by pattern type and motion speed. *PLOS One*. doi: 10.1371/journal.pone.0157911. Materials: <http://doi.org/10.17910/B7QG6W>.

Gilmore, R.O., Adolph, K.E., & Millman, D.S. (2016). Transforming education research through open video data sharing. *Advances in Engineering Education*. <http://advances.asee.org/publication/transforming-education-research-through-open-video-data-sharing/>

Gilmore, R.O. (2016). From big data to deep insight in developmental science. *Wiley Interdisciplinary Reviews Cognitive Science*. doi: 10.1002/wcs.1379.

Gordon, A., Millman, D.S., Steiger, L., Adolph, K.E., & **Gilmore, R.O.** (2015). Researcher-library collaborations: Data repositories as a service for researchers. *Journal of Librarianship and Scholarly Communication*, 3(2), doi: 10.7710/2162-3309.1238.

Gilmore, R.O., Raudies, F., & Jayaraman, S. (2015). What accounts for developmental shifts in optic flow sensitivity? 2015 Joint IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob), 19-25, doi: 10.1109/DEVLRN.2015.7345450.

Ely, A.L., Weinstein, J.M., Price, J.M., Gillon, J.T., Boltz, M.E., Mowery, S.F., Aminlari, A., **Gilmore, R.O.**, & Cheung, A.Y., (2014). Degradation of swept parameter VEP responses by neutral density filters in amblyopic and normal subjects. *Investigative Ophthalmology and Visual Science*, 55(13), 7248-7255. doi: 10.1167/iovs.14-15052.

Raudies, F. & **Gilmore, R.O.** (2014). Visual motion priors differ for infants and mothers. *Neural Computation*, 26(11), 2652-2668. doi: 10.1162/NECO_a_00645.

Fesi, J.F., Thomas, A.L., & **Gilmore, R.O.** (2014). Cortical responses to optic flow and motion contrast across patterns and speeds. *Vision Research*, 100, 56-71. doi: 10.1016/j.visres.2014.04.004.

Beltz, A.M., Gates, K.M., Engels, A.S., Molenaar, P., Pulido, C., Turrisi, R., Berenbaum, S.A., **Gilmore, R.O.**, & Wilson, S.J. (2013). Changes in alcohol-related brain networks across the first year of college: A prospective pilot study using fMRI effective connectivity mapping. *Addictive Behaviors*, 38(4), 2052-2059. doi: 10.1016/j.addbeh.2012.12.023.

Raudies, F., **Gilmore, R.O.**, Kretch, K.S., Franchak, J.M., & Adolph, K.E. (2012). Understanding the development of motion processing by characterizing optic flow experienced by infants and their mothers. *Proceedings of the IEEE International Conference on Development and Learning*. Award for best methodological contribution. doi: 10.1109/DevLrn.2012.6400584.

Adolph, K.E., **Gilmore, R.O.**, Freeman, C., Sanderson, P., & Millman, D. (2012). Toward open behavioral science, *Psychological Inquiry: An International Journal for the Advancement of Psychological Theory*, 23(3), 244-247. doi: 10.1080/1047840X.2012.705133.

Fesi, J.D., Yannes, M.P., Brinckman, D.D., Norcia, A.M., Ales, J.M., & **Gilmore, R.O.** (2011). Distinct cortical responses to 2D figures defined by motion contrast. *Vision Research*, 51(19), 2110-2120. doi: 10.1016/j.visres.2011.07.015.

- Pemberton, C., Bass, A., Moore, G., Murray-Kolb, L., Tan, P., **Gilmore, R.O.**, Buss, K., Cole, P.M., & Teti, L.O. (2011). Let me go: The influence of crawling experience and temperament on the development of anger reactivity and regulation. *Infancy*, 17(5), 558-577. doi: 10.1111/j.1532-7078.2011.00092.x.
- Weinstein, J.M., **Gilmore, R.O.**, Trescher, W.V., Shaikh, S.M., Tashima, L.M., Boltz, M.E., McAuliffe, M.B., Cheung, A., Fesi, J.D., & Kunselman, A.R. (2011). Defective motion processing in children with cerebral visual impairment due to periventricular white matter damage. *Developmental Medicine & Child Neurology*, 53, doi: 10.1111/j.1469-8749.2010.03874.x
- Hou, C., **Gilmore, R.O.**, Pettet, M.W., & Norcia, A.M. (2009). Spatio-temporal tuning of coherent motion evoked responses in 4-6 month old infants and adults. *Vision Research*, 49(20), 2509-2517. doi: 10.1016/j.visres.2009.08.007.
- Gilmore, R.O.**, Hou, C., Pettet, M.W., & Norcia, A.M. (2007). Development of cortical responses to optic flow. *Visual Neuroscience*, 24, 845-856. doi: 10.1017/S0952523807070769.
- Kaufman, J., Gilmore, R.O., & Johnson, M.H. (2006). Frames of reference for anticipatory action in 4-month-old infants. *Infant Behavior & Development*, 29(3), 322-333. doi: 10.1016/j.infbeh.2005.01.003.
- Thomas, H., & **Gilmore, R.O.** (2004). Habituation assessment in infancy. *Psychological Methods*, 9(1), 70-92. doi: 10.1037/1082-989X.9.1.70.
- Gilmore, R.O.**, Baker, T.J., & Grobman, K.H. (2004). Stability in infants' discrimination of optic flow. *Developmental Psychology*, 40(2), 259-270. doi: 10.1037/0012-1649.40.2.259.
- Gilmore, R.O.**, & Rettke, H.R. (2003). Four-month-olds' discrimination of optic flow patterns depicting different directions of observer motion. *Infancy*, 4(2), 177-200. doi: 10.1207/S15327078IN0402_02.
- Brown, J., Johnson, M.H., Paterson, S., **Gilmore, R.O.**, Gsödl, M., Longhi, E., & Karmiloff-Smith, A. (2003). Spatial representation and attention in toddlers with Williams syndrome and Down syndrome. *Neuropsychologia*, 41(8), 1037-1046. doi: 10.1016/S0028-3932(02)00299-3.
- Gilmore, R.O.** & Thomas, H. (2002). Examining individual differences in infants' habituation patterns using objective quantitative techniques. *Infant Behavior and Development*, 153, 399-412. doi: 10.1016/S0163-6383(02)00142-X.
- Rosenbaum, D.A., Carlson, R.A., **Gilmore, R.O.** (2000). Acquisition of intellectual and perceptual-motor skills. In *Annual Review of Psychology*, 52, 453-470. doi: 10.1146/annurev.psych.52.1.453
- Johnson, M.H. & **Gilmore, R.O.** (1998). Object-centered representations in 8-month-old infants. *Developmental Science*, 1, 221-225. doi: 10.1111/1467-7687.00034.
- Gilmore, R.O.** & Johnson, M.H. (1997). Body-centered representations for visually-guided action emerge in early infancy. *Cognition*, 65, B1-B9. doi: 10.1016/S0010-0277(97)00038-3.
- Gilmore, R.O.**, & Johnson, M.H. (1997). Egocentric action in early infancy: Spatial frames of reference for saccades. *Psychological Science*, 8(3), 224-230. doi: 10.1111/j.1467-9280.1997.tb00416.x.
- Johnson, M.H., **Gilmore, R.O.**, Tucker, L.A., & Minister, S.L. (1996). Cortical development and saccadic control: Evidence for vector summation in young infants. Proceedings of TENNET VI, Montreal, Canada. *Brain & Cognition*, 32(2), 237-243.
- Gilmore, R.O.**, & Johnson, M.H. (1995). Working memory in infancy: Six-month-olds' performance on two versions of the oculomotor delayed response task. *Journal of Experimental Child Psychology*, 59, 397-418. doi: 10.1006/jecp.1995.1019.

Book chapters and technical reports

- Gilmore, R.O., & Adolph, K.E.** (in press). Open Sharing of Research Video -- Breaking down the boundaries of the research team, in *Advancing Social and Behavioral Health Research through Cross-Disciplinary Team Science: Principles for Success*.
- Gilmore, R.O., Gummer, E., & Koedinger, K.** (2015). Collaborating on tools, infrastructures, and repositories. In Dede, C. (Ed.) *Data-intensive research in education: Current work and next steps, Report on two National Science Foundation sponsored computing research education workshops*, 63-73. Computing Research Association.
- Gilmore, R.O. & Fesi, J.D.** (2009). Infant perception: Methods of testing. In B. Goldstein (Ed.), *Encyclopedia of Perception*, Sage Publishing.
- Gilmore, R.O., Weinstein, J. & Von Der Heide, R.** (2008). The development and neuropsychology of visual impairment. In A.M. Walker, D.M. Kaufman, G.E. Solomon, and C. Pfeffer (Eds.), *Child and Adolescent Neurology for Psychiatrists*. Baltimore: Lippincott Williams & Wilkins. 323-347.
- Gilmore, R.O.** (2003). Where are they going? The perception of information about visual direction in young infants. In B. Hopkins & S.P. Johnson (Eds.), *Neurobiology of Infant Vision, Advances in Infancy Research*. Westport, CT: Praeger Publishers. 181-210.
- Gilmore, R.O.** (2003). Toward a neuropsychology of visual development. In S. J. Segalowitz & I. Rapin (Eds.), *Handbook of Neuropsychology (2nd Ed.)*, Vol 8., Part II: *Child Neuropsychology*. Amsterdam: Elsevier Science. 417-437.
- Gilmore, R.O.** (2000). The development of representations for perception and action. In J.G. Warhol, N. Fox, & L. Leavitt, (Eds.), *The Role of Early Experience in Infant Development. Johnson & Johnson Pediatric Roundtable Series*.
- Johnson, M.H., & **Gilmore, R.O.** (2000). Infancy: Biological processes, in A. Kazdin (Ed.), *Encyclopedia of Psychology*. Washington, DC: APA Press.
- Gilmore, R.O., & Johnson, M.H.** (1998). Learning what is where: Oculomotor constraints on the development of spatial cognition. In G. Butterworth & F. Simion, (Eds.), *The Development of Sensory, Motor & Cognitive Capacities in Early Infancy: From Sensation to Cognition*. Hillsdale, NJ: Erlbaum.
- Johnson, M.H., **Gilmore, R.O.**, & Csibra, G. (1998). Toward a computational model of the development of saccadic control. In J. Richards, (Ed.), *The Cognitive Neuroscience of Attention*. Hillsdale, NJ: Erlbaum.
- Johnson, M.H., & **Gilmore, R.O.** (1996). Developmental cognitive neuroscience: A biological perspective on cognitive change. In R. Gelman & T. Au (Eds.), *Handbook of Perception and Cognition*, 13, Orlando, FL: Academic Press.
- Gilmore, R.O., & Johnson, M.H.** (1995). *Egocentric action in early infancy: Spatial frames of reference for saccades* (Developmental Cognitive Neuroscience Tech. Report 95-4). London: U.K. MRC Cognitive Development Unit.
- Johnson, M.H., **Gilmore, R.O.**, Tucker, L.A., & Minister, S.L. (1995). *Cortical development and saccadic control: Vector summation in young infants* (Developmental Cognitive Neuroscience Tech. Report 95-3). London: U.K. MRC Cognitive Development Unit.

Invited Colloquia

- Gilmore, R.O.** (2016, January). Workshop on Public Access to NSF-Funded Research Data for the Social, Behavioral, and Economic Sciences, National Science Foundation, Chapel Hill, NC.
- Gilmore, R.O.** (2015, June). Workshop on Data-intensive Research in Education, National Science Foundation, Arlington, VA.

- Gilmore, R.O.** (2015, April). Workshop on using and sharing video, American Educational Research Association, Chicago, IL.
- Gilmore, R.O.** (2015, February). Sharing identifiable research data with Databrary, Penn State Child Study Center.
- Gilmore, R.O.** (2014, October). Data on the Mind workshop, University of California, Berkeley.
- Gilmore, R.O.** (2014, June). Digital Learning Data as a Public Good: Forging First Principles and Protocols for Scientific Collaboration, Asilomar Conference Center.
- Gilmore, R.O.** (2014, July). Centre for Brain and Cognitive Development, Birkbeck College, University of London.
- Gilmore, R.O.** (2014, May). NFAIS webinar on video data sharing.
- Gilmore, R.O.** (2014, April). Department of Cognitive and Linguistic Sciences, Brown University.
- Gilmore, R.O.** (2014, February). Spatial Data Mine workshop, Temple University.
- Gilmore, R.O.** (2013, November). NFAIS/CENDI Workshop on Open Data, U.S. Library of Congress, Washington, DC.
- Gilmore, R.O., Simon, D.A., & Millman, D.S.** (2013, December). Coalition for Networked Information (CNI Fall 13), Washington, DC.
- Gilmore, R.O.** (2013, November). Center for Neural Engineering, Penn State University.
- Gilmore, R.O.** (2011, December). Department of Psychology, New York University.
- Gilmore, R.O.** (2011, January). Cyberinfrastructure Day, Penn State University.
- Gilmore, R.O.** (2009, April). Frontiers in Eye and Vision Research Lecture, Department of Ophthalmology, Penn State Hershey Eye Center.
- Gilmore, R.O.** (2008, March). Center for Cognitive Neuroscience, Duke University.
- Gilmore, R.O.** (2007, November). McDonnell Foundation Workshop on Near infrared Optical Imaging in Infants, Cambridge, MA.
- Gilmore, R.O.** (2007, November). Department of Biomedical Engineering, Boston University.
- Gilmore, R.O.** (2007, March). Department of Kinesiology, Penn State University.
- Gilmore, R.O.** (2002, October). Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI.
- Gilmore, R.O.** (2002, May). James S. McDonnell Foundation Workshop on Infant Research Methods, Chatham, MA.
- Gilmore, R.O.** (2002, March). Department of Biology, Edinboro University. Edinboro, PA.
- Gilmore, R.O.** (2001, March). Department of Psychology, New York University. New York, NY.
- Gilmore, R.O.** (2000, October). Department of Kinesiology, University of Maryland. College Park, MD
- Gilmore, R.O.** (2000, September). Department of Kinesiology, Penn State University.
- Gilmore, R.O.** (2000, March). Lebanon Valley College, Annville, PA.

Gilmore, R.O. (2000, March). National Association of State Universities and Land Grant Colleges Leadership Conference, Chevy Chase, MD.

Gilmore, R.O. (1999, January). Johnson & Johnson Pediatric Roundtable, Palm Beach, FL.

Gilmore, R.O. (1996, September). Human Frontiers Foundation Infancy Research Group, Cambridge, England.

Gilmore, R.O. (1994, June). Graduate student research award talk, IXth International Conference on Infant Studies, Paris, France.