*Curriculum vitae*

**Oliver Hobert, Ph.D.**

Columbia University

Howard Hughes Medical Institute

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**Birth:** 02.02.1967, Rotenburg an der Fulda, Germany

**Education:**

1996-1999 Postdoctoral Fellow, Harvard Medical School/Massachusetts General Hospital, Boston;

Advisor: Prof. Gary Ruvkun

1992-1995 Ph.D., Molecular Biology, Max Planck Institute for Biochemistry, Martinsried, Germany; Advisor: Prof. Axel Ullrich

1987-1992 Diploma Biochemistry (Diplom Studiengang Biochemie), Universität Bayreuth, Germany;

Advisor: Prof. Gerhard Krauss

**Professional Experience:**

2015-present Full Professor at Columbia University, Department of Biological Sciences

2014-present Full Professor at Columbia University Medical Center, Department of Systems Biology

2009-present Full Professor at Columbia University Medical Center, Department of Biochemistry and Molecular Biophysics

2005-present Investigator, Howard Hughes Medical Institute

2005-2009 Associate Professor with tenure at Columbia University Medical Center, Department of Biochemistry and Molecular Biophysics

1999-2005 Assistant Professor at Columbia University Medical Center, Department of Biochemistry and Molecular Biophysics; Co-Appointment in the Center for Neurobiology and Behavior

**Awards and Honors:**

2014 Elected Fellow of the American Association for the Advancement of Science (AAAS)

2008 Harland Winfield Mossman Award in Developmental Biology

2001 McKnight Endowment for the Neurosciences Disease Award

2001 Rita Allen Foundation Scholar Junior Faculty Award

2001 Irma T. Hirschl Early Career Scientist Award

2000 Klingenstein Fellow

2000 Alfred P. Sloan Research Fellow

2000 Searle Scholar Junior Faculty Award

2000 Basil O’Connor Scholar Award

1999 Human Frontiers in Science 10th Anniversary Award (for postdoctoral work)

1998 Postdoctoral Fellowship Award from the MGH Fund For Medical Discovery

1997 Junior Investigator Award from the German Academy of Science “Leopoldina” (for Ph.D. work)

1996 Human Frontiers in Science Postdoctoral Fellowship

1994 Awarded a Ph.D. scholarship from the DAAD for 1 year stay at Sugen, Inc.

1993 Awarded a Ph.D. scholarship from the "Studienstiftung des deutschen Volkes"

1989 Awarded an undergraduate scholarship from "Studienstiftung des deutschen Volkes"

**Teaching Activities:**

*Inside Columbia University*

2013-present Lecturer Graduate course “Advanced eukaryotic molecular genetics”, Dept. of Genetics & Dev.

##### 2012 Lecturer Genetics Graduate Course, Dept. of Biological Sciences

##### 2009-present Lecturer Graduate course "Professional Development"

##### 2008-present Lecturer Graduate course "Molecular Genetics", Dept. of Microbiology and Immunology

##### 2007-2011 Organizer & Lecturer of “Stem Cells and Cell Lineage Specification” course

2002-present Lecturer Graduate course “Principles of Developmental Biology”, Dept. of Genetics & Dev.

##### 2001-present Lecturer Graduate Course “Developmental Neurobiology”, Dept. of Neuroscience

2001-2008 Co-Organizer Graduate Course “Developmental Neurobiology”, Center for Neurobiol. & Behavior

1999-2007 Lecturer Graduate course “Biochemistry and Molecular Biology of Eukaryotes”, Dept. of Biochem.

*Outside Columbia University*

##### 2011 Guest lecturer MBL Course "Gene Regulatory Networks", Woods Hole

##### 2009, 2013, 2015 Guest lecturer EMBO Course "Developmental Neurobiology from Worms to Mammals", University College London

##### 2009 Guest lecturer in Lipari Summer School "Computational Biology", Italy

##### 2006 Guest lecturer in Postgraduate Course on Developmental Biology at the Universidad de Chile

##### 2005 Guest lecturer at New Jersey Governor’s School in the Sciences, Drew University, NJ

##### 2004 Guest lecturer in “Developmental Neuroscience”, Graduate course at New York University

##### 2003-2004 Guest lecturer in “Developmental Neuroscience”, Graduate course at Albert Einstein College of Medicine

##### 2002,2008,2010 Guest lecturer in Cold Spring Harbor Course "*C.elegans*", Cold Spring Harbor

2000 Guest lecturer in Cold Spring Harbor Laboratory, Course on “Adv. Genome Seq. Analysis”

**Training Activities:**

2007-2012 Program director NIH T32 Training Grant “Stem Cells and Cell Lineage Specification”

2006-present Training Mentor Harlem Children Society

2005-present Training Faculty of the Graduate Program in Biological Sciences at Columbia University

2004-present Training Faculty of the Graduate Program in Genetics and Development

1999-present Training Faculty of the Neuroscience Graduate Program (formerly Center for Neurobiology and Behavior)

1999-present Past Trainees: 17 Postdoctoral Fellows, 17 Graduate Students

Current Trainees: 12 Postdoctoral Fellows, 10 Graduate Students

**Institutional Committees:**

2011-2012 Member of Search Committee Junior Faculty Recruitment for Columbia Stem Cell initiative

2010 Member of Search Committee for Chairman, Ophthamology Department

2007-2011 Ad hoc member of Tenure Advisory Committee

2006-2007 Member of Search Committee Junior Faculty Recruitment for Genetics Department

2006-2007 Member of Search Committee Junior Faculty Recruitment for Psychiatry Department

2005-2006 Chair, Search Committee Junior Faculty Recruitment for Biochemistry Department

2004-2011 Chair of the Graduate Admission Committee for the Graduate Program in Biochemistry

2001-2011 Member of Graduate Admission Committee for the Graduate Program in Neuroscience

**Editorships and Editorial Boards:**

*Editor:*

2012-present Associate Editor, *Wiley Interdisciplinary Reviews (WIREs): Developmental Biology*

2012-present Reviewing Editor, *eLife*

2012-2013 Associate Editor, *Neural Development*

2009-present Editor, *WormMethods*

2009 Guest Co-Editor special issue *Current Opinions in Neurobiology "Development”*

2009 Guest Editor special issue *Current Topics in Dev. Biol. "Development of Neural Circuitry"*

2008-present Editor, *Genetics*

2005 Editor, *WormBook*, Gene Expression Section

2002 Guest Editor special issue *Journal of Neurobiology "Genes and Behavior"*

2001-present F1000Prime Faculty member

*Editorial Board:*

2007-present Editorial board of *Developmental Biology*

2006-present Editorial board of *Neural Development*

2006-present Editorial board of *Mechanisms of Development* & sister journal *Gene Expression Patterns*

2009-present Editorial board of *Current Biology*

2009-present Editorial board of *Developmental Dynamics*

2005-2014 Editorial board of *Current Signal Transduction Therapy*

2003-present Editorial board of *Development*

**Advisory Boards:**

2011-present Advisory Board "European Neuroscience Institute" Göttingen

2011-present Scientific Advisory Board WormBase

2010-present Harlem Children Society’s Executive Advisory Committee

2008-2014 Board member of Society for Developmental Biology (Northeast Represent.; 2 terms)

**Meeting Organization:**

2013 Co-Organizer (with M. Halpern) Satellite Symposium “**Making and breaking the left-right axis: Laterality in development and disease**” (**International Congress of Developmental Biology, 72nd Annual Meeting Society for Developmental Biology**), Cancun, Mexico

2011 Co-Organizer (with M. Sundaram) 18th International C. elegans meeting, Los Angeles

2011 Co-Organizer (with R. Kingston) Cell Press Conference "Epigenetics"

2006 Co-Organizer (with R. Parker) Mini-Symposium “RNA and Development” at Annual meeting of Amercian Society for Cell Biology

2005-2006 Co-Organizer RNAi Study Group NY Academy of Science

# Patents:

2006 U.S. Utility Patent # 7125976 “Method of screening for agents inhibiting chloride intracellular

channels”

## **Publication Peer review activities:**

Nature Science Cell eLife Neuron Mol.Cell Dev.Cell

Nat. Genetics Nat. Neurosci. Nat. Methods Genes & Dev. EMBO J. Nat. Struct. Mol. Biol.

PNAS Curr. Biol. Development Neural Dev. J.Neurosci. Trends in Neurosci.

Mol.Biol.Cell Genetics, Gene Dev.Biol. J.Mol. Biol. Learning & Memory

J.Cell Sci. BioTechniques Mech.Dev. Dev.Dyn. Genome Biol. Genomics Genome Res.

FEBS Letters BMC journals PloS Biology PLoS One PLoS Genetics Nucleic Acids Res.

Dev.Neurobiol. Mol.Cell.Biol.

**Grant Review Panels:**

2010-2012 Chair of NIH study section Neurogenesis and Cell Fate (NCF)

2008-2012 Permanent Member NIH study section Neurogenesis and Cell Fate (NCF)

2001-2008 Ad hoc reviewer for NIH study section Mol. Dev. Cell. Neuroscience (MDCN6), then NCF

*Other review panels (ad hoc service):*

NIH (NDPR, NNB BSCT study sections) National Science Foundation (NSF)

Human Frontiers in Science Program Medical Research Council, UK

French Ministry of Research and Education Natural Environment Research Council (NERC), UK

European Science Foundation United States - Israel Binational Science Foundation (BSF) Simons Foundation Science Foundation Ireland (SFI) Spanish National Research Council (CSIC) Israeli Science Foundation (ISF)

Biotechnology and Biological Sciences Research Council (BBSRC), UK

**Grant support:**

2014-2017 National Institute of Health, BRAIN award

2005-present Howard Hughes Medical Institute (next renewal 2016)

2000-present National Institutes of Health R01NS039996 (2.renewed funding period); + 1 Supplement

2004-present National Institutes of Health R01NS050266 (1.renewed funding period); + 1 Supplement

2012-2014 CUMC Motor Neuron Center Pilot Grant

2012-2013 Helmsley Stem Cell Starter Grant

2011-2014 National Institutes of Health R21NS076191 Grant (incl. 1 yr no cost-extension)

2010-2013 Muscular Dystrophy Association Research Grant

2011-2012 Michael J. Fox Foundation Rapid Response Award

2010-2011 CUMC Skin Disease Research Center Pilot Grant

2009-2011 National Institutes of Health R03NS067451 Grant

2009-2010 Michael J. Fox Foundation Rapid Response Award

2008-2010 National Institutes of Health R03NS064482 Grant

2005-2008 National Institutes of Health R03HD050334 Grant

2005-2008 Muscular Dystrophy Association Research Grant

2005-2007 National Institutes of Health R03NS052269 Grant

2001-2006 McKnight Endowment Fund for Neuroscience Brain Disorder Award

2001-2005 Rita Allen Foundation Fellowship

2001-2005 Irma T.Hirschl Trust

2000-2004 Searle Foundation

2001-2003 Muscular Dystrophy Association Research Grant

2000-2003 Klingenstein Foundation

2000-2003 March of Dimes Foundation Basil O’Connor Grant

2000-2003 Alfred P.Sloan Foundation

2001-2002 American Paralysis Association Research Grant

2000-2002 Whitehall Foundation Research Grant

# 2000 Bristol Myers Squibb Pilot Grant

# 1999-2000 Herbert Irving Cancer Center Squibb Pilot Grant

# 1999-2000 Culpeper Foundation Pilot Grant

1999-2002 Human Frontier Science Program Research Grant

#### Invited Talks:

1. National Institute of Health, Laboratory of Mammalian Genes and Dev., 02/1999

2. Rutgers University, Department of Molecular Biology & Biochemistry, 05/1999

3. Queens College, CUNY, Department of Biology, 09/1999

4. Annual Meeting of the Genetics Society, Munich, 10/1999

5. LMU University Munich, Gene Center, 10/1999

6. Bio Center, Basel, Switzerland, 10/1999

7. Human Frontiers in Science Award 10th Anniversary Meeting, 12/1999

8. Albert Einstein College of Medicine, Department of Neuroscience, 12/1999

9. Genomic Development Biology Conference, USC, Los Angeles, 03/2000

10. Cold Spring Harbor Laboratory, Course on “Adv. Genome Seq. Analysis”, 03/2000

11. NIH, Laboratory of Mammalian Genes & Development, Airlie House Retreat, 05/2000

12. New York University Medical Center, Skirball Institute, Dev.Neuro. prg., 06/2000

13. International Society for Dev. Neuroscience, Annual Meeting, Heidelberg, 06/2000

14. Exelixis, Inc. San Fransisco, 03/2001

15. Society for Developmental Biol., North-East section meeting Woods Hole, 04/2001

16. Ecole Normale Superieur, Paris, 05/2001

17. Weizmann Institute, Department of Cell Biology, Rehovot, 05/2001

18. Max Planck Institute for Molecular Genetiscs, Berlin, 02/2002

19. Society for Developmental Biol., North-East section meeting Woods Hole, 04/2002

20. Human Frontiers Science Program, Annual Meeting, Ottawa, 06/2002

21. Cold Spring Harbor Course "*C.elegans*", 08/2002

22. Stowers Institute, Kansas City, 11/2002

23. Harvard Medical School, Dept. Neurobiology, 12/2002

24. Boston University School of Medicine, Dept. Mol. Cell. Biol., 01/2003

25. Mass. Gen.Hospital, Dept. Mol. Biol., Boston, 01/2003

26. MRC Laboratory of Molecular Cell Biology, UC London, 02/2003

27. New York University, Department of Biology, 02/2003

28. University of Marseille, IBDM, Marseille, 03/2003

29. Searle Scholar Annual Meeting, Chicago, 04/2003

30. McKnight Foundation, Annual Meeting, Aspen, 06/2003

31. Rockefeller University, 06/2003

32. Max Planck Institute for Medical Research, Heidelberg, 07/2003

33. Institute for Molecular Pathology (IMP), Vienna, 09/2003

34. EMBO workshop "Assembly of Neural Circuits" Varenna, Italy, 09/2003

35. Johns Hopkins School of Medicine, Dept.Neurosci., 10/2003

36. Max Planck Institute for Biochemistry, Martinsried, 11/2003

37. NYU Medical Center, Skirball Institute, Dev.Genetics program, 11/2003

38. Vanderbilt University Medical Center, Dept. Cell Dev. Biol., 12/2003

39. Central European C.elegans meeting, Basel, 01/2004

40. CSH Meeting “Systems Biology - Genomic Approaches to Transcriptional Regulation”, 03/2004

41. University of Oregon, Institute for Neuroscience, Eugene, 03/2004

42. Keystone Meeting “siRNAs and miRNAs” , 04/2004

43. Gordon Conference “Basement Membranes” , 06/2004

44. Israeli Society for Dev. Biology Meeting , Rehovot, 07/2004

45. CSH Meeting on Axon Guidance and Neural Plasticity (invited session chair), 09/2004

46. University of Chicago, Dev.Biol.seminar series, 10/2004

47. NY Academy of Science RNA silencing symposium , 10/2004

48. Yale University, Interdepartmental Neuroscience Program, 11/2004

49. University of Utah, Huntsman Institute, Dean’s Lecture Series, 12/2004

50. Cornell University, Molecular Biology & Genetics, 12/2004

51. Genzentrum (Gene Center) at the LMU, Munich, 01/2005

52. MRC Center for Dev.Neurobiol, London, 02/2005

53. Rutgers University, Dept. Molecular Biology and Biochemistry, 2/2005

54. University of Calgary, Genes and Development Depart., 02/2005

55. University of Utah, Depart. Biol., 03/2005

56. Memorial Sloan Kettering Cancer Institute, Dev.Biol. Prog., 03/2005

57. Cold Spring Harbor Meeting “Global Regulation of Gene Expression”, 03/2005

58. Keystone Symposium Axonal Connections: Molecular Cues for Development and Regeneration, 03/2005

59. German society for developmental biology (GfE), Annual Meeting, Münster, Germany, 04/2005

60. Vollum Institute, 06/2005

61. Society for Developmental Biology Meeting, San Fransisco , 07/2005

62. University of Massachusetts Medical School, Worcester, Prg.Mol.Medicine, 10/2005

63. University of Miami Miller School of Medicine NeuroScience Program 11/2005

64. Annual Symposium, Center for Genomic Regulation, Barcelona, Spain, 11/2005

65. EMBL, Heidelberg, 12/2005

66. Universität Braunschweig, Genetics Department, 12/2005

67. Mount Sinai Medical School, Department of Molecular, Cell & Developmental Biology, 01/2006

68. Washington University, Dept. Anatomy and Neurobiology, St.Louis, 01/2006

69. UCSD Neuroscience Graduate Program, 01/2006

70. SUNY, Stony Brook, Department of Neurobiology and Behavior 02/2006

71. California Institute of Technology, Division of Biology, 02/2006

72. University of North Carolina, Neuroscience Center, Chapel Hill, 03/2006

73. Max Planck Institute for Developmental Biology, Tübingen 03/2006

74. Universität Freiburg, Germany, 03/2006

75. Society for Dev. Biology, Northeast section meeting, Woods Hole, 04/2006

76. University of Washington, Seattle, 05/2006

77. Cold Spring Harbor Meeting Quantitative Biology, Regulatory RNA, 05/2006

78. Zentrum for Molekulare Neurobiologie Hamburg, 09/2006

79. Max Planck Institut for Biophysical Chemistry, Göttingen, 09/2006

80. Hellenic Society for Neuroscience, Krete, 09/2006, **Keynote Speaker**

81. Stanford University, Department of Genetics, 10/2006

82. Case Western University, Department of Neuroscience, 11/2006

83. University of Albany, SUNY, Department of Biology, 11/2006

84. Universidad de Chile, Santiago de Chile, 11/2006

85. American Society for Cell Biology, invited Guest speaker & mini-symposium organizer, 12/2006

86. Hot Spring Harbor and 21. COE Symposium at Kyushu University, Japan, 12/2006

87. UCSF, Gladstone Institute of Neurological Disease, 01/2007

88. Kavli Institute for Theoretical Physics (KITP), 03/2007

89. Janelia Farm Research Conference “Neuronal Identity”, 03/2007

90. Janelia Farm Research Conference “Neural Circuits and Behavior in C.elegans”, 03/2007

91. Spring Symposium of the Molecular Biology Society of Japan, Kyoto, Japan, 04/2007

92. RIKEN, Center for Developmental Biology, Kobe, Japan, 04/2007

93. University of Iowa, Department of Molecular Physiology and Biophysics, 05/2007

94. Minisymposium “Protein Machines”, Max Planck Institute for Biochemistry, Martinsried, 05/2007

95. Gordon Research Conference on Developmental Biology, 06/2007

96. National Institutes of Health/NHLB, Genetics and Developmental Biology Center, 09/2007

97. Cold Spring Harbor Laboratories, 10/2007

98. Yale University Medical School, Department of Genetics, 10/2007

99. Children’s Hospital Boston, Program in Neurobiology, 10/2007

100. Samuel Lunenfeld Research Institute, Toronto, 11/2007

101. Cornell University Weill Medical College, Department of Cell and Developmental Biology 11/2007

102. Vanderbilt University, Department of Biological Sciences, 01/2008

103. NYU Skirball Institute, Developmental Genetics Program, 01/2008

104. Duke University, Department of Biology, 02/2008

105. National Academy of Sciences Sackler Colloquium *Gene Networks in Animal Development and Evolution,* 02/2008

106. Canadian Society for Developmental Biology meeting, **Keynote Speaker**, 02/2008

107. University of Wisconsin, Madison, Department of Biochemistry, 03/2008

108. New York Academy of Sciences Meeting “Neural Stem Cells: From Development to Function”, 03/2008

109. Keystone Symposium, RNAi, MicroRNA, and Non-Coding RNA, 03/2008

110. Janelia Farm Research Conference “The Logic of Gene Regulation”, 05/2008

111. Children's Hospital of Philadelphia/University of Pennsylvania, 05/2008

112. Society for Developmental Biology, Annual Meeting, Invited Plenary Speaker, 07/2008

113. Gordon Conference "Visual Development", Invited Speaker, 08/2008

114. Cold Spring Harbor Labs, C.elegans Course, 08/2008

115. Memorial Sloan Kettering, Developmental Biology Program, 09/2008

116. Brandeis University, Biology Department, 09/2008

117. University British Columbia, Vancouver, Life Science Center, 10/2008

118. Yale University, Department of Molecular, Cellular and Developmental Biology, 10/2008

119. Mt. Sinai School of Medicine, Dept. of Genetics and Genomic Sciences, 10/2008

120. Cincinnati Children's Hospital Research Foundation, Division of Developmental Biology, 11/2008

121. Keystone meeting Axonal Connections: Molecular Cues for Development and Regeneration, 02/2009

122. SUNY Downstate Medical Center, Neuroscience Seminar Series, 03/2009

123. University of California Berkeley, Department of Molecular & Cell Biology, 03/2009

124. Experimental Biology Meeting, New Orleans, Invited speaker 04/2009

125. Summer School “Lipari International School on *RNAs : structure, function and therapy*.”, 06/2009

126. EMBO Practical Course 'Developmental Neurobiology from Worms to Mammals', MRC, London, 07/2009

127. International Society for Developmental Biology Congress, Edinburgh, Symposium speaker, 09/2009

128. International Max Planck Research School for Molecular Biology, Symposium speaker, 09/2009

129. Cell Press/IPSEN Foundation meeting “‘Biology in Balance”, Buenos Aires, 10/2009

130. University of Illinois, Department of Cell and Developmental Biology. Urbana-Champaign, 10/2009

131. Stowers Institute, Kansas City, 11/2009

132. University of Texas, Institute of Cellular and Molecular Biology, Austin, 11/2009

133. Trinity College, Dublin, 12/2009

134. University of Pennsylvania, Neuroscience Program, 01/2010

135. 8th TLL Life Sciences Symposium (Singapore) "*Neurodevelopment, Behaviour and Disease*", 02/2010

136. Max Planck Institute for Molecular Genetics, Berlin, 02/2010

137. University of California San Diego, Dept. Biology, 02/2010

138. Albert Einstein College of Medicine, Liver Center, 02/2010

139. Max Planck Institute for Biophysics, Göttingen, 03/2010

140. Institute of Molecular Biology (IMBA), Vienna, 03/2010

141. National Institute for Physiology, Okazaki, Japan, 04/2010

142. Drexel University, Biology Department 05/2010

143. University of Utah, Department of Genetics, Invited Speaker at Annual Retreat, 05/2010

144. New York University 9th annual Genomics Symposium, 05/2010

145. University of Cologne Symposium, **Keynote Speaker**, Germany, 06/2010

146. University of Braunschweig, Germany, 06/2010

147. C.elegans Topic meeting "Neural Development, Function & Behavior", **Keynote Speaker**, 06/2010

148. Developmental Biology meeting Santa Cruz, Invited Plenary Speaker, 06/2010

149. Ludwig Maximilian University Munich, 07/2010

150. Gordon Conference Neuronal Development, Newport, 08/2010,

151. Society for Developmental Biology, Annual Meeting Albuquerque, 08/2010

152. Cold Spring Harbor Course C.elegans, 08/2010

153. Harvard University, Dept. Mol Cell Biol., 10/2010

154. Janelia Farm Workshop "Development and Evolution of the Nervous System", 11/2010

155. University of Minnesota, Department of Genetics, Cell Biology, and Development, 02/2011

156. University of Michigan, 03/2011

157. University of Nice, Institute of Developmental Biology and Cancer Research, 03/2011

158. Centre for Organismal Studies (COS) Heidelberg, Germany 05/2011

159. ISREC, Swiss Institute for Experimental Cancer Research, Lausanne, 05/2011

160. Albert Einstein College of Medicince, Genetics Program Retreat**, 0**6/2011, **Keynote Speaker**

161. 13th Annual Samuel Lunenfeld Research Institute Symposium on “Neurobiology”, 06/2011, **Keynote Speaker**

162. 2011 European zebrafish meeting, Edinburgh, 07/2011, **Keynote Speaker**

163. French and British Societies for Developmental Biology, Nice, 09/2011, **Keynote Speaker**

164. Janelia Farm Conference " Control of Neuronal Identity", 10/2011, **Keynote Speaker**

165. Biomedical Symposium at St. Jude Children’s Research Hospital, 10/2011

166. Invited guest speaker MBL Woods Hole course "Gene regulatory networks for Development" 10/2011

167. Cell Press Symposium " Epigenetics and the inheritance of acquired states", 11/11 (organizer and speaker)

168. Cornell University Weill Medical College, Neuroscience Program 12/2011

169. University of Pennsylvania, Mahoney Institute of Neurological Science Seminar, 01/2012

170. Seminar Stanford University, Frontiers in Bioscience Lecture series, 02/2012

171. Princeton University, Lewis-Sigler Institute, 02/2012

172. Gordon Research Conference "Cellular Reprogramming", Galveston, Texas 02/2012

173. University of California Los Angeles, Seminar in Neuroscience, 02/2012

174. Mount Sinai Friedman Brain Institute Translational Neuroscience Seminar Series, 03/2012

175. University of Montpellier, 04/2012

176. Young Researchers in Life Sciences Meeting, Paris, 2012, 05/2012, **Keynote Speaker**

177. UT Southwestern Neuroscience Seminar Series, 05/2012

178. Washington University, St. Louis, Dev. Biol. Retreat, 05/2012, **Keynote Speaker**

179. 10th Annual Meeting International Society for Stem Cell Research, Japan, 06/2012

180. Chang Gung University, Department of Biomedical Sciences, Taoyuan, Taiwan 06/2012

181. East Asia Worm meeting, Taiwan, 6/2012, **Keynote Speaker**

182. Arolla Conference, Cell and Developmental Systems, 8/2012

183. The MicroRNA Revolution, The 2012 Dr. Paul Janssen Award Symposium, 09/2012

184. University of Wyoming, Department of Molecular Biology, 9/2012

185. University of Wisconsin, RNA club, Madison, 10/2012

186. Georgia State University Brains and Behavior (**Distinguished Lecture Series**), 12/2012

187. Goethe University Frankfurt, 12/2012

188. UMDNJ-New Jersey Medical School, 01/2013

189. UCSF Neuroscience Program, 01/2013

190. California Institute of Technology, Division of Biology, 01/2013

191. Memorial Sloan Kettering Cancer Center (**President's Lecture**), 02/2013

192. Cold Spring Harbor Laboratory, “From Base Pair to Body Plan**”** (Celebration of the 60th anniversary of the

discovery of the double helix), 02/2013

193. Nordic C.elegans Meeting, Copenhagen, 03/2013, **Keynote Speaker**

194.Developmental Biology Symposium, University of Helsinki, 03/2013

195. National Cancer Institute, Symposium "Epigenetics in Development", 04/2013

196. Society for Developmental Biology, Northeast Meeting, 04/2013

197. Albert Einstein College of Medicine, Dept. of Neuroscience, 04/2013

198. Annual Meeting International Society for Stem Cell Research, Satellite symposium "New Avenues for Brain Repair: Programming and Reprogramming the Central Nervous System", 06/2013

199. 17th **International Congress of Developmental Biology, 72nd Annual Meeting Society for Developmental Biology, Satellite Symposium " "Making and breaking the left-right axis: Laterality in development and disease", 06/2013**

200. EMBO Practical Course 'Developmental Neurobiology from Worms to Mammals', UCL, London, 07/2013

201. MRC Laboratory of Molecular Biology (LMB), Cambridge, 07/2013

202. Harvard Medical School, Dept. of Neurobiology, 09/2013

203. Case Western Reserve University, Dept. of Neurosci., 09/2013

204. Harvard Medical School, Dept. of Genetics, 10/2013

205. Yale University RNA Center Retreat (**Keynote speaker**), 11/2013

206. Scripps Research Institute, Dorris Neuroscience Center, San Diego, 11/2013

207. Cincinnati Children's Hospital Research Foundation, 12/2013

208. Max Planck Institute for Molecular Genetics, Symposium “Current Trends in Genetics", 01/2014

209. French Society of Developmental Biology (SFDB) & EFOR network meeting, Paris, 02/2014

210. NYU Abu Dhabi “Genomics and Systems Biology” Conference, Abu Dhabi, 02/2014

211. Carnegie Institution, Department of Embryology, Baltimore 03/2014

212. New York University, Department of Biology, 04/2014

213. Johns Hopkins University School of Medicine, Dept. of Neuroscience, 05/2014

214. Soceity for Developmental Biology, Mid-Atlantic Regional Meeting (**Keynote speaker**), Baltimore, 05/2014

215. European Molecular Biology Laboratory (EMBL), Heidelberg (**Distinguished Visitor Lecture Series**), 06/2014

216. Exzellenzcluster NeuroCure at the Charité - Universitätsmedizin in Berlin, NeuroColloquium, 06/2014

217. Gorden Research Seminar, Hong Kong, 06/2014 (**Keynote Speaker**)

218. Gordon Research Conference "Molecular and Cellular Neurobiology" Hong Kong, 06/2014

219. Annual Meeting Society for Developmental Biology, Seattle, 07/2014

220. Gordon Research Conference “Developmental Neurobiology”, Newport, RI, 08/2014

221. National Institute of Biological Sciences (NIBS), Beijing, 09/2014

222. Institute of Biophysics, Chinese Academy of Sciences, Beijing, 09/2014

223. Shanghai Institute of Neuroscience, 09/2014

224. Cold Spring Harbor Asia Meeting "Neurobiology: Diverse species and conserved principles" (**Keynote speaker**), Suzhou, China, 09/2014

225. Janelia Farm Seminar Series, 10/2014

226. Baylor College of Medicine, Department of Molecular and Human Genetics, 10/2014

227. Janelia Farm Research Conference “High-Throughput Sequencing for Neuroscience”, 10/2014

228. Janelia Farm Research Conference “Neural Circuits Controlling Sexual Behavior”, 11/2014

229. University of Pennsylvania, Department of Genetics, 01/2015

230. New York University **Honors Program Lecture**, 01/2015

231. New York Area Worm Meeting, **Keynote Speaker**, 01/2015

232. Princeton University, Department of Molecular Biology, 02/2015

233. Fred Hutchinson Cancer Research Center, 03/2015

234. University of Massachussetts Medical Center, Department of Neurobiology, 4/2015

235. Imperial College London, MRC Clinical Sciences Centre, 5/2015

236. Gordon Research Conference Developmental Biology, 06/15

237. The Company of Biologists’ Workshop "Transgenerational Inheritance " Wiston House, England, 10/2015

238. Max Planck for Brain Research, Symposium "Molecular and Cellular Mechanisms of Homeostasis”, 10/2015

239. University of Texas Health Science Center at San Antonio, Physiology Department, 11/2015

**Publications:**

*Reviews, Essays & Commentaries*

1. **Hobert, O** and Ruvkun, G (1998)."A Common Theme for LIM Homeobox Gene Function Across Phylogeny ?". MBL & NASA Symposium on "Genetic Regulatory Networks in Embryogenesis and Evolution” ***Biol.Bulletin*** 195, 377-380.

2. **Hobert, O** and Ruvkun, G (1999) "Pax genes in *Caenorhabditis elegans*: A new twist” ***Trends Genet****.* 15, 214-216.

3. **Hobert, O**, Johnston, RJ and Chang, S (2002) “ Left/right asymmetry in the nervous system: The *C. elegans* paradigm”, ***Nature Rev. Neurosci****,* 3(8), 629-640

4. **Hobert, O** (2003) “Behavioral plasticity in *C. elegans*: Paradigms, Circuits, Genes” ***J.Neurobiol***54, 203-223 (special issue: *Genes and Behavior*) + Editorial Overview "Behavioral Genetics - The third century"

5. **Hobert, O** and Bülow, HE (2003) "Development and maintenance of neuronal architecture at the ventral midline of *C.elegans*” ***Curr.Op. Neurobiol*** 13, 70-78

6. Rougon, G and **Hobert, O** (2003) “Newinsights into the diversity and function of neuronal immunoglobulin superfamily molecules” ***Ann.Rev.Neurosci****.* 26,207-238

7. **Hobert, O,** Hutter, H and Hynes, RO (2004) " The immunoglobulin superfamily in Caenorhabditis elegans and Drosophila melanogaster” ***Development*** 131, 2237-2238 (Commentary)

8. **Hobert, O** (2004) “Common logic of transcription factor and miRNA action” ***TIBS***, 29(9), 462-468

9. **Hobert, O** (2005) “MicroRNAs: All Gone and Then What?” ***Curr.Biol***, 15(10), R387-389 (Invited Commentary)

10. Bülow, HE and **Hobert, O** (2006) “The Molecular Diversity of Glycosaminoglycans shapes Animal Development” ***Ann.Rev. of Cell Dev. Biol.***22, 375-407

11. **Hobert, O** (2006) “Architecture of a microRNA-controlled gene regulatory network that diversifies neuronal cell fates”, ***Cold Spring Harbor Symposia on Quantitative Biology****: Regulatory RNAs*, Volume 71, 181-188

12. **Hobert, O** (2007) “MicroRNAs playing a tune” ***Cell***131, 22-24 (Invited Commentary)

13. **Hobert, O** (2008) “Gene regulation by transcription factors and microRNAs” ***Science*** 319, 1785-1786 (Invited Review)

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