
Philip Low, PhD



Research Affiliate, MIT Media Lab

WINNER, KAVLI Brain and Mind Innovative Research award

WINNER, DFJ Venture Challenge

WINNER, UCSD Entrepreneurship Competition

WINNER, CONNECT Most Innovative New Product

TOP Young Innovator, Worldwide, MIT-TR35

TOP 10 Most Innovative Companies in Health Care, Worldwide

WINNER, Jacobs-Rady Pioneer Award for Global Innovation and Entrepreneurship

**Founder, Chairman & CEO
NeuroVigil, Inc.**

Dr. Philip Low made his first scientific discovery at Harvard Medical School, as a teenager. While inventing new brain monitoring techniques at the University of Chicago, he was referred to the Salk Institute by Francis Crick, Nobel Laureate of DNA fame, where he authored a 1 page PhD thesis on dynamic brain activity mapping, which led to his creation of NeuroVigil, the neurotechnology company responsible for iBrain™, a portable brain activity monitor, with 1st and second round valuations two and two-and-a-half times Google's and Facebook's combined, respectively, as well as to the Cambridge Declaration on Consciousness, the first formal document signed by scientists, recognizing consciousness in non-humans, which has led to worldwide debate and evolution of their legal status and rights.

He was appointed to dual positions at the Stanford School of Medicine and the MIT Media Lab in his twenties. His partners and advisors have included Roche and Novartis, Stephen Hawking, Stephen Wolfram and Nobel Laureates Roger Guillemin and Sydney Brenner, and his backers include FirstRound Capital's and IdeaLab's Howard Morgan, Qualcomm's Irwin Jacobs & Andrew Viterbi, DFJ's Tim Draper and SpaceX's and Tesla's Elon Musk. He created and chaired the 1st Intl. Congress on Alzheimer's & Advanced Neurotech as well as the Francis Crick Memorial Conference. He has advised the White House, the US Congress, the US Navy, the Israeli and Canadian governments and sits on the boards of The Jonas Salk Legacy Foundation and Recipe for Change, recognized for its service by the MacArthur Foundation.

Dr. Low's honors include the MIT TR-35 Top Young Innovator Award (worldwide), the DFJ Venture Challenge and the Jacobs-Rady Pioneer Award for Global Innovation & Entrepreneurship. His work, inventions and discoveries have been profiled in scientific and popular media including Science, PNAS, CNN, TIME, Newsweek, Forbes, the Economist, the Financial Times, the Washington Post which lists NeuroVigil as one of the "Top 10 Most Innovative Companies in Health Care", The Scientist which singled out Dr. Low as "A Scientist to Watch" and the New York Times which has recognized iBrain as "an innovation that will change your tomorrow."

Born: August 16th 1979 in Vienna, Austria. **Citizenship:** Canadian. **Residency:** US (EB-1 Exceptional Ability/National Interest Green card)

The information herein may not be up-to-date

NeuroVigil

Office of the Chairman &
Chief Executive Officer
Hillsborough, CA 94010, USA
Assistant: info@neurovigil.com

MIT Media Lab

20 Ames Street,
Cambridge, MA 02139, USA

Education

University of California,

San Diego La Jolla, CA, USA
01-07: **Ph.D in Computational
Neurobiology**

Committee in charge: Charles
F. Stevens (Chair), Terrence J.
Sejnowski (advisor), Fred H.
Gage (advisor), Sean P. A.
Drummond, Larry R. Squire

The University of Chicago

Chicago, IL, USA
96-00: **Bachelors of Science
in Pure Mathematics**

Institut Le Rosey

Rolle & Gstaad, Switzerland
91-96: **French Scientific
Baccalaureate**,
specialization in Mathematics

84-91: Cours Hattemer

Paris, France

Selected Honors

- **Scientist to Watch, *The
Scientist Magazine*** (2013)

- **32 Innovations That Will
Change Your Tomorrow,
*New York Times*** (2012)

- **Jacobs-Rady Pioneer
Award in Global Innovation
& Entrepreneurship** (2011)

NeuroVigil, Inc. - Founder, Chairman, President, Chief Executive Officer and Chief Scientific Officer

La Jolla, CA, USA

02/07 – Current: Created and implemented core technology, assembled team, secured IP rights and protected IP, negotiated contracts with pharmaceutical industry, incl. Roche & Novartis, government agencies, inc. NASA and terms with investors, inc. Irwin Jacobs & Elon Musk. NeuroVigil went to market in Q4 2009, in Pharma space, pre-funding and subsequently closed financings on May 1, 2011 and April 30, 2015. Current Advisors Include: Sonia Ancoli-Israel, Fred Gage, Ronald Graham, Roger Guillemin, Reena & Sam Horowitz, Irwin Jacobs, Gautier Martin-Regnier, Howard Morgan, Elon Musk, Terrence Sejnowski, Jerome Siegel, Donald Spencer, Jean-Paul Spire, Andrew Viterbi, Stephen Wolfram and Noam Ziv. <http://www.neurovigil.com/leadership/>

Massachusetts Institute of Technology (M.I.T.)

Cambridge, MA, USA

04/09-current: Research Affiliate

<http://syntheticneurobiology.org/people/display/130/26>

Stanford University School of Medicine

Stanford, CA, USA

02/09-2012: Adjunct Consulting Assistant Professor

Salk Institute for Biological Studies

La Jolla, CA, USA

01/10-05/13: Research Collaborator; 11/07-1/09: Post-doctoral Fellow
Non-invasive recording; 09/01-10/07 Graduate Student & Sloan-Swartz Fellow
in Computational Neurobiology in Sejnowski & Gage labs: Invented SPEARS,
the first single-channel unsupervised human sleep EEG feature extraction
algorithm; Proved that Neocortex was not necessary for mammalian-like sleep.

<http://cnl.salk.edu/People/Person/?Person=6003>

The University of Chicago

Chicago, IL, USA

06/00 - 08/01, 06/02-08/02: Research Assistant in Margoliash Laboratory
Invented new epidural EEG brain implant technique and equipment for zebra
finch sleep monitoring. Technique now widely used in the field.

Harvard Medical School / Brigham and Women's Hospital & Children's Hospital

Boston, MA, USA

06-09/99: Intern, Center for Uterine Fibroids (Nowak)

Verified in 9 weeks that Compound H, a Collagen Type I Inhibitor, could halt the
spread of fibroid tumors, which affect over half of post-menopausal women.

Selected Publications

"The Cambridge Declaration on Consciousness in Human and Non-Human Animals", **PS Low**, eds (J. Paanksep, D. Edelman, D. Reiss, B. Van Swinderen, PS Low, C. Koch). The Francis Crick Memorial Conference, Cambridge, UK, 2012.

<http://fcmconference.org/img/CambridgeDeclarationOnConsciousness.pdf>

- **Most Innovative Companies in Health Care, Fast Company** (2011)
- **World Technology Awards** (2011), Semi-finalist
- **Most Innovative New Product Award in Life Sciences, Research & Diagnostics, CONNECT** (2010)
- **Top Young Innovator, Worldwide, MIT TR-35** (2010)
- **Qualcomm Q-Prize**, (2009), Finalist
- **US Gov "Extraordinary Ability", O-1 (09&12), EB-1(12)**
- **DFJ 250K Venture Challenge** (2008), Winner
- **UCSD Entrepreneurship Competition** (2008), Winner
- **Kavli Brain and Mind Foundation Award for Innovative Research** (2007)
- **Ray Thomas Edwards Foundation Award** (2006)
- **Sloan-Swartz Fellowship** (2002-2007)
- **National Science Foundation IGERT Fellowship** (2001)
- **Merck Fellowship** (2001)

Teaching & Mentoring

MIT: NeuroVentures, Guest Lecturer

Stanford School of Medicine: Sleep Grand Rounds

UCSD: Graduate Advanced Biology of Sleep Oscillations

SALK: Sloan-Swartz Talks; non-invasive rodent EEG preparation: M. Bonjean, R. Landreth, L. Wylie; Sleep Analysis: H. Mien, I. Spokoyny, L. Schuetz, H. Schuetz

"Towards Establishing Neural Correlates of Intended Movements and Speech" **PS Low** & SW Hawking, The Francis Crick Memorial Conference, Cambridge, UK, 2012. <http://fcmconference.org/#program>

"Ask not what the brain can do for sleep - ask what sleep can do for the brain" **P Low** *Frontiers in Neuroscience* December 2009, Volume 3 Issue 3 <http://www.neurovigil.com/assets/press/papers/FrontiersInNeuroscience-Dec2009-SleepAndDreamsTheme-PhilipLow.pdf>

"The Antifibrotic Drug Halofuginone Inhibits Proliferation and Collagen Production by Human Leiomyoma and Myometrial Smooth Muscle Cells." MM Grudzien, **PS Low**, PC Manning, M Arredondo, RJ Belton, Jr & RA Nowak. *Fertility & Sterility* 2009 [http://www.fertstert.org/article/S0015-0282\(08\)04590-1/fulltext](http://www.fertstert.org/article/S0015-0282(08)04590-1/fulltext)

"A non-Invasive EEG in Animals." M Bonjean**, **P Low***, L Wylie, B Nielsen, TJ Sejnowski, FH Gage. *1st author, **presenter *Proceedings of the Society for Neuroscience* (2008) <http://papers.cnl.salk.edu/PDFs/Noninvasive%20EEG%20in%20Animals%202008-4128.pdf>

"REM Revealed" **PS Low**, SC Barton, R Landreth, TJ Sejnowski. *Proceedings of the Society for Neuroscience* (2008) <http://papers.cnl.salk.edu/PDFs/R.E.M.%20Revealed%202008-4130.pdf>

"Mammalian-like Features of Sleep Structure in Zebra Finches" **PS Low**, SS Shank, TJ Sejnowski & D Margoliash. *Proceedings of the National Academy of Sciences USA (PNAS* Track II) 2008 Jul 1;105(26):9081-6. Epub 2008 Jun 25. <http://www.pnas.org/content/105/26/9081>

"A New Way To Look At Sleep" **PS Low, Ph.D thesis**, p 1, United States Library of Congress, 2007. <http://escholarship.org/uc/item/6250v3wk#page-1>

"REM revisited" **PS Low** & TJ Sejnowski. *Proceedings of the Society for Neuroscience* (2007)

"Fine Structure of Human Sleep" **PS Low** & TJ Sejnowski. *Proceedings of the Society for Neuroscience* (2006) <https://papers.cnl.salk.edu/PDFs/Fine%20Structure%20of%20Human%20Sleep%202006-3936.pdf>

"A New Way To Look At Sleep" **PS Low**, FH Gage & TJ Sejnowski. *Proceedings of the Society for Neuroscience* (2005) <https://papers.cnl.salk.edu/PDFs/A%20New%20Way%20to%20Look%20at%20Sleep%202005-2963.pdf>

"Dynamic Spectral Scoring: A New Way to Look at Sleep", **P Low**, FH Gage, & TJ Sejnowski. **WiR Workshop on Data-driven Modeling and Computation in Neuroscience**, Hohenwart Forum, Germany, May 2005.

"The anti-fibrotic drug halofuginone inhibits proliferation and collagen production by leiomyoma smooth muscle cells." RA Nowak, **P Low**, JE Wubben, RJ Belton, Jr. *2nd NIH Int. Congress on Advances in Uterine Leiomyoma Research*. 2005.

"An unbiased automated approach to single channel sleep scoring" **P Low**, FH Gage & TJ Sejnowski. *Proceedings of the Society for Neuroscience* (2004)

"A Pattern of Mammalian-like Features in Zebra Finch Sleep" **P Low**, S Shank & D Margoliash. *Proceedings of the Society for Neuroscience* (2003)

"The Organization of Sleep States in Zebra Finches" **P Low**, S Shank & D Margoliash. *Computational Neuroscience 2003 Proceedings*.

University of Chicago: avian EEG preparation: S. Shank

NeuroVigil: Data Acquisition Devices: M. Chi, K. Liu, P. Ng, J. Jou, S. Joshi, K. Kuspa, I. Yang, D. Howe. Analysis: S. Barton, R. Landreth, J. McInerney, M. Zaslavsky, E. Aponte, V. Murzin, H. Imura, G. Rotival, R. Sharma, C. Duff, G. Szep, K. Cooney, A. Kashyap, F. Bao, B. James, I. Skurikhin, B. Hernandez, C. Lai, Z. Jian, V. Parthasarathy, S. Xie, D. Lu, R. Hundia. Business: H. Prokhorenko, D. Furman, G. Landreth.

Selected Editorial, Domestic & International Community Service

Frontiers in Sleep and Chronobiology, Journal of Neuroscience, Nature, Nature Neuroscience, Neuron, NeuroReport, PLoS, Science, Science Translational Medicine

- **US-Israel Science & Technology Foundation (USISTF)** (2012-2014): Member of the Advisory Council

- **The White House**, Washington, DC, USA, (2012-current): advising OSTP on Neuroscience

- **NeuroVigil Stephen Hawking Project Leader:** extraction and analysis of Prof. Hawking's brain patterns (2011-current)

- **Francis Crick Memorial Conference on Consciousness, Cambridge, UK** (2012): Chairman

- **The San Diego Enterprise Petition** (2012): Leader

Selected Patents

“Methods Of Identifying Sleep And Waking Patterns And Uses” filed 11/16/09, Inventor: P. Low

Pending / published in including: BR, CA, IN, MY, US.
Issued in: IL (212852), NZ(622327)

“Automated Detection Of Sleep And Waking States” filed 05/09/06, Inventor: P. Low

Pending / published in including: IN
Issued in: CA (2,607,049), CH (06759507.4), CN(200680019721.0), DE(06759507.4), EP(06759507.4), ES (06759507.4), FR(06759507.4), GB(06759507.4), HK(08108892.4), IE(06759507.4), IL(187239), IT(06759507.4), JP(2014-105593), KR(10-2007-7028646), US(11/431,425).

“Head Harness & Wireless EEG Monitoring System” filed 10/27/2010, Inventors: P. Low et al.

Pending / published in including: BR, EP, IN, MY, US
Issued in: AU(2010315468), CN (201080056226.3), IL(219434), JP(2012-537014), NZ(600089 and 621036).

“Correlating Brain Signal to Intentional And Unintentional Changes In Brain State” filed 01/24/13, Inventor: P. Low

Pending / published in including: CA, EP, HK, IL, JP, KR.
Issued in: US(9,364,163 and 9,820,663), CN (104135920)

“Localized Collection Of Biological Signals, Cursor Control In Speech-Assistance Interface Based On Biological Electrical Signals And Arousal Detection Based On Biological Electrical Signals” filed 10/14/2014, Inventor: P. Low

Pending / published in including: AU, CN, EP, IN, JP, NZ, US

Several other Patent Applications are currently being processed regarding novel ways to record, identify and use brain activity.

Science, Biotechnology, Business & Bioethics Lectures

161. **Feria Ecobelleza, Keynote address**, Santiago, Chile, May 2019.
160. Invited lecture, **Universidad Catolica**, Santiago, Chile, May 2019.
159. **“One Health” National Convention, Keynote**. Buenos Aires, AR, Nov 18.
158. Saïd Business School, **University of Oxford, Keynote**, UK, July 2018.
157. **MIT Enterprise Forum, Keynote address**. San Diego, October, 2017.
156. **EUROTOX, Keynote address**, Bratislava, Slovakia. September 2017.
155. **The Science of Consciousness Conference, Plenary lecture**. June 2017.
154. **NASA JOHNSON SPACE CENTER**. June 2017.
153. Invited lecture, **Barrow Neurological Institute**, Phoenix, AZ, April 2017.
152. **Montreal Neurological Institute, Canada**. November 2016.
151. **University of Toronto, Canada**. November 2016.
150. **Wyoming Tech Summit, Neurotech Keynote**, Jacksonhole, WY, Sept 16.
149. **NEUROTECH NYC Conference, Keynote**, New York, NY, USA, June 2016.
148. **San Francisco AI Conference, Keynote**, San Francisco, CA, USA, 05/16.
147. **10X Medical Device Conference, Keynote**, San Diego, CA, USA, 05/16.
146. **NEUROTECH SF 2016**, San Francisco, CA, USA. April 2016.
145. **DIALOG**, Los Angeles, CA, USA. February 2016.
144. **FiRe**, Park City, Utah, USA. October 2015.
143. **VEGFEST, Keynote Speaker**, Recife, Brazil. September 2015.
142. **Waterloo Innovation Summit**, Waterloo, Canada. September 2015.

- **1st Intl. Congress on Alzheimer's Disease and Advanced Neurotechnologies, Monaco (2009):** President

Activities

American Association for the Advancement of Science(AAAS): Member, 2004-current.

AMPA

(Association Monegasque Pour la maladie d' Alzheimer): Founding Member, Director of Scientific Advisory Board, 2009-current.

Aspen Brain Forum

Scientific Advisory Board Member, 2009-current

Computational

Neuroscience (CNS): Director and board member, Travel Grant & Future Meeting Sites committees.2003-2005

Fishman Fund: Board member, 2012-current

Geoffrey Been Foundation Alzheimer Challenge:

Advisor, 2012-current

Huffington Post: Contributor, 2016-current

1st International Congress on Alzheimer's

Disease and Advanced Neurotechnologies in Monaco (2010): Chairman of the Scientific Board, 2009-10.

Legacy of Jonas Salk

Foundation: Board of Advisors, 2012-current

Mathematical Association of America (MAA):

Member, 1997-current.

141. **UNICAMP Consciousness Symp., Keynote**, Campinas, Brazil. July 2015.
140. **UNICAMP Winter School, Keynote Speaker**, Campinas, Brazil. July 2015.
139. **Intl. Altern. to Animal Exp., Keynote Speaker**, Lisbon, Portugal. May 15
138. **UCSD Jacobs School of Engineering, Keynote**, La Jolla, CA, USA. Apr 15
137. **FiRe Seminar Series & Public Lecture**, Park City, Utah, USA. May 2015.
136. **Med Des & Manufacturing, Keynote Speaker**, Anaheim, CA, USA. 02/15
135. **Med device and Diagnostics Forum**, San Diego, CA, USA. February 2015.
134. **American Sr Housing Association, Keynote**, Dana Point, CA, USA. 01/15
133. **Harvard Animal Consciousness Symposium**, Cambridge, USA. Nov. 14.
132. **FutureMed**, San Diego, CA, USA. November 2014.
131. **METal**, Santa Monica, January 2012.
130. **Scripps Viterbi Clinic**, La Jolla, CA, USA. September 2014.
129. **Illrd Brazilian Congress on Bioethics**, Curitiba, Brazil. August 2014.
128. **FiRe**, Laguna Beach, CA, USA. May 2014.
127. **NASA Ames Research Center**, Moffett Field, CA, USA. April 2014.
126. **FED**, San Diego, CA, USA. March 2014.
125. **Weizmann Institute**, Rehovot, Israel. October 2013.
124. **Technion**, Haifa, Israel. October 2013.
123. **BrainTech Israel 2013, Keynote Speaker**, Tel Aviv, Israel. October 2013.
122. **MIT NeuroVentures**, Cambridge, MA, USA. October 2013.
121. **Annual Aspen Brain Forum, Keynote Panel**, Aspen, CO, USA, Sept 2013.
120. **CalBio**, San Diego, CA, USA. June 2013.
119. **UCSD, Grad. Class on Biomed Integ. Circuits**, San Diego, CA, USA 06/13.
118. **Singularity University Exponential Leadership Summit**, LA, USA, 06/13.
117. **NOVARTIS Pharmaceuticals**, Basel, Switzerland. December 2012.
116. **University of Basel**, Basel, Switzerland. December 2012.
115. **Columbia University**, New York, NY, USA. December 2012.
114. **University of Arizona**, Tucson, AZ, USA. November 2012.
113. **UCSD Entrepreneur Challenge**, La Jolla, CA, USA, October 2012.
112. **NASA AMES**, Singularity University, Mountain View, CA, USA. July 2012.
111. **Francis Crick Memorial Conference**, Cambridge, UK. July 2012.
110. **Johns Hopkins**, Baltimore, MA, USA. June 2012.
109. **UPenn**, Philadelphia, PA, USA. June 2012.
108. **Drexel University**, Philadelphia, PA, USA. June 2012.
107. **IN-Q-TEL**, VA, USA. June 2012.
106. **AMGEN**, Thousand Oaks, CA, USA. April 2012.
105. **FutureMed**, NASA Ames, Mountain View, CA, USA. February 2012.
104. **METal**, Santa Monica, January 2012.
103. **Distinguished Biotechnology Speaker Series, CALTECH**, Pasadena, CA, USA. December 2011.
102. **Stanford Graduate School of Business**, Palo Alto, CA, USA. Dec. 2011
101. **CNS SUMMIT**, Boca Raton, FLA, USA. November 2011.
100. **Mini-symposium on New Dimensions in Brain-Machine Interfaces, UCSD**, La Jolla, CA, USA. November 2011.
99. **Neurotech Leaders Forum**, San Francisco, CA, USA. October 2011.
98. **CSHL President's Council Meeting**, Cold Spring Harbor, NY, October 2011.
97. **SONY North America**, San Jose, CA, USA. August 2011.
96. **Naval Health Research Center**, San Diego, CA, USA, August 2011.
95. **NASA AMES**, Singularity University, Mountain View, CA, USA. August 2011.
94. **The Scripps Research Institute**, La Jolla, CA, USA. July 2011.
93. **Bristol-Myers Squibb**, Wailingford, CT, USA, July 2011.
92. **GlaxoSmithKline World Headquarters**, London, UK, July 2011.
91. **ResMed**, San Diego, CA, USA, June 2011.
90. **NASA AMES**, FutureMed, Mountain View, CA, USA. May 2011.
89. **Johnson & Johnson PRD**, La Jolla, CA, USA, May 2011.
88. **UCSD**, Center for Wireless Communications, La Jolla, CA, USA, April 2011.
87. **Riford Center**, La Jolla, CA, April 2011

New York Academy of Sciences (NYAS): Member, 2010-2011

Recipe for Change: Board member, 2015-current.

Society for Neuroscience (SfN): Member, 2001-current

The Science Network (TSN): Special Projects Advisor, 2003-current.

The University of Chicago (college): Chess Club Co-President, 1999-2001; French Club President, 2000-2001.

Singularity University: Faculty and guest speaker, 2010-2012

UCSD / SALK (grad school): Neuroscience Journal Club organizer, 01; Computational Neurobiology Journal Club member, 01-current; Synaptic Physiology Journal Club member; Computational Neurobiology Lounge founder, 01; Sloan-Swartz ChalkTalks organizer, 02. Society of Research Fellows, 02-07

UCSD Innovation Advisory Board (2012): Member

X-Prize Foundation: Life Sciences Advisor, 2010-current.

TEDMED, San Diego, CA, USA. October 2009.

Institut Le Rosey (high school): Chess Club founder and president 91-96; Debate Club cofounder and co-president 94-96; Cultural Academy Vice-President, 95-96; Students' UN member, 93-96; Ski and Tennis teams member, 91-96.

86. **Georgia Institute of Technology**, Atlanta, GA, USA, April 2011.
85. **Intl. Society CNS Drug Development**, Las Vegas, NV, USA. March 11.
84. **UCSD E. Challenge**, Keynote, San Diego, CA, USA, January 2011.
83. **NOVARTIS Pharmaceuticals**, Basel, Switzerland. December 2010.
82. **Hoffmann - La ROCHE AG**, Basel, Switzerland. December 2010.
81. **ResMed**, Bella Vista, NSW, Australia. December 2010.
- 79-80. **Biomarker Discovery Conf., 2 keynotes**, Shoal Bay, Australia, Dec. 10
78. **Wireless Health Roundtable**, SDDT, San Diego, CA, November, 2010.
77. **BIOMEDevice, Keynote**, San Jose, CA, USA. November 2010.
76. **Johnson & Johnson**, San Diego, CA, USA. November 2010.
75. **Johnson & Johnson**, Raritan, NJ, USA. October 2010.
74. **Montgomery Healthcare Conference**, Menlo Park, CA, USA. October 2010.
73. **Building Better Brains**, Aspen, CA, USA. September 2010.
72. **EmTech Conference**, MIT, Cambridge, MA, USA, September 2010.
71. **National Heart Lung and Blood Institute, NIH**, Bethesda, MA, USA. July 2010.
70. **FCC-FDA**, Washington, DC, USA, July 2010.
69. Invited Talk, **NASA AMES**, Moffett Field, CA, USA. July 2010.
68. **French Consulate / West Wireless Institute**, La Jolla, CA, USA. June 2010.
67. **X-Prize Visioneering Workshop**, San Francisco, CA, USA May 2010.
66. **UCSD**, Cognitive Neuroscience, San Diego. May 2010.
65. **X-Prize Visioneering UCSD Entrepreneurship Lecture**, San Diego. 4/10
64. **Frontiers in Science and Technology**, San Diego, USA, March 2010.
63. **X-Prize Visioneering Workshop**, Marina de Rey, CA, USA March 2010.
62. **1st International Congress on Alzheimer's Disease & Advanced 61. Neurotechnologies**, Monte-Carlo, Monaco. February 2010.
61. **NOVARTIS Pharmaceuticals**, Basel, Switzerland. February 2010.
60. **Hoffmann - La ROCHE AG**, Basel, Switzerland. January & February 2010.
59. **MIT NeuroVentures**, Cambridge, MA, USA. November 2009.
58. **BILPIL**, San Diego, CA, USA. October 2009.
57. **TEDMED**, San Diego, CA, USA. October 2009.
56. **QUALCOMM Q-Prize**, Sunnyvale, CA, USA. September 2009
55. **Hoffmann - La ROCHE USA**, Nutley, NJ, USA. May 2009.
54. **Palais de l' Elysee (French Presidential Palace)**, Paris, France. May 2009
53. **Wireless Life Sciences Alliance**, San Diego, CA, USA. May 2009.
52. Invited Talk, **Scripps Green Hospital**, La Jolla, CA, USA. April 2009.
51. **Johnson & Johnson**, Skillman, NJ, USA. March 2009.
50. Inv. Talk, Sleep Grand Rounds, **Stanford University**, Palo Alto, CA, USA. 2/09
49. SCANS lecture, **UCSD**, La Jolla, CA, USA. January 2009.
48. **Hoffmann - La ROCHE**, Basel, Switzerland. January 2009.
47. **Hoffmann - La ROCHE**, Basel, Switzerland. December 2008.
46. **Society for Neuroscience**, Washington DC, USA. November 2008.
45. **QUALCOMM**, San Diego, CA, USA. October 2008.
44. **MIT NeuroVentures**, Cambridge, MA, USA. September 2008.
43. **MIT Media Lab** Cambridge, MA, USA. September 2008.
42. **MGH, Harvard Medical School**, Boston, MA USA. September 2008.
41. **Johnson & Johnson**, Skillman, NJ, USA. September 2008.
40. **NOVARTIS Pharmaceuticals**, Basel, Switzerland. August 2008.
39. **QUALCOMM**, San Diego, CA, USA. August 2008.
38. **Aspen Consciousness Research Retreat**, Aspen, CO, USA. July 2008.
37. **Keynote Address, IN3 Medical Summit**, San Francisco, CA. June 2008.
36. **UCSD Entrepreneur Challenge Final**, San Diego, CA, USA. May 2008.
35. **Fourth Annual DFJ Venture Challenge**, Menlo Park, CA, USA. May 2008.
34. **Kavli Brain & Mind Symposium**, Salk, San Diego, CA, USA. May 2008.
33. **UCSD Rady School of Management**, San Diego, CA. April 2008.
32. **McGovern Institute, MIT**, Cambridge, MA, USA. April 2008.
31. **CALTECH**, Pasadena, CA, USA. January 2008.
30. **Hoffmann - La ROCHE AG**, Basel, Switzerland. December 2007.

Television / Books / Documentaries

“Lo que el día se llevó”, **La Nación (Argentina)**, November 2018

“Animals at Work”, **BBC (UK) World Service**, July 2016

“Turning Accidents into Opportunities”, **StartupHealthNow**, April 2016

“Stephen Hawking and Non-Human Consciousness”, **RawScience**, December 2013

“Elon Musk on Mars, Philip Low on the Brain”, **RawScience**, December 2013

“Through the Wormhole with Morgan Freeman”, **Discovery Channel** July 2013

“Entrepreneur pushes for incentives to keep startups in San Diego”, **Fox5**, July 2012

“Revolutionary Device May Read Minds”, **Fox5**, June 2012

“NewsTalk 910”, **KKSF**, June 2012

“The Newshour”, **BBC**, June 2012

“iBrain Device May Read Minds”, **NBC7**, April 2012

“Local Company Touts Mobile Brain Scanner”, **ABC10**, April 2012

“Brain Sensor Technology”, **The Doctor’s Channel**, April 2012

“Philip Low at FutureMed”, **The Doctor’s Channel**, January 2012

“Meet the iBrain”, **NBC Universal**, November 2010

29. **NOVARTIS Pharmaceuticals**, Basel, Switzerland. December 2007.
28. Invited Talk, **Max-Planck-Institut für Psychiatrie**, Munich, Germany. Dec 07.
27. **Wellcome Trust Centre for Human Genetics, University of Oxford**,
26. **Wellcome Centre, University of Oxford**, United Kingdom. December 2007.
25. **Society for Neuroscience**, San Diego, CA, USA. November 2007.
24. Thesis Defense: “**A New Way To Look At Sleep: Separation & Convergence**”. 23. **Salk Institute**, La Jolla, CA, USA. October 2007.
22. Invited Talk, **Scripps Clinic Sleep Center**, La Jolla, CA, USA. October 2007.
21. **Almaden Research Center, IBM**, San Jose, CA, USA. September 2007.
20. **Aspen Consciousness Research Retreat**, Aspen, CO, USA. August 2007.
19. **UCSD Entrepreneur Challenge Final**, San Diego, CA, USA. June 2007.
18. **Society for Neuroscience**, Atlanta, GA, USA. October 2006.
17. **Sloan-Swartz conference, Columbia**, New York, NY, USA July 2006.
16. Invited Talk, **Keck Center for Integrative Neuroscience, UCSF**, San Francisco, CA, USA. June 2006.
15. Invited Talk, Sleep Grand Rounds, **Stanford**, Palo Alto, CA, USA. June 2006.
14. Invited Talk, **Redwood Center for Theoretical Neuroscience, UC Berkeley**, Berkeley, CA, USA. June 2006.
13. **UCSD Rady School of Management**, San Diego, CA, USA. April 2006.
12. Sleep & Chronobiology, **UCSD**, San Diego, CA, USA. April 2006.
11. **Swartz Ctr. for Computational Neuroscience**, San Diego, CA, USA. 11/05.
10. **Society for Neuroscience**, Washington, DC, USA. November 2005.
9. **Sloan-Swartz Annual Symposium, CALTECH**, Pasadena, CA, USA. 07/05.
8. Invited Talk, **Max-Planck-Institut für Psychiatrie**, Munich, Germany. 05/05.
7. Invited by Nobel Laureate Sakmann to **Hohenwart Forum**, Germany. May 05.
6. **Society of Research Fellows, Salk Institute**, San Diego, CA, USA. Oct. 04.
5. **Merck Symposium**, San Diego, CA, USA. June 2004.
4. **Institute for Nonlinear Dynamics**, San Diego, CA, USA. May 2004.
3. **Society for Neuroscience**, New Orleans, LA, USA. October 2003.
2. Neurophysics Laboratory, **UCSD**, San Diego, CA, USA. February 2003.
1. Sleep & Chronobiology, **UCSD**, San Diego, CA, USA. February 2003.

Public Press (sample)

Press coverage does not necessarily reflect the views of Dr. Low, NeuroVigil or those of its affiliates.

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Miscellaneous

Fluent in French, English and German.

Working knowledge of Italian, Russian, various computer programming languages (self-taught) and neurosurgical techniques.

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