

## Franco Pestilli Associate Professor

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GitHub: francopestilli | Twitter: @furranko | <https://brainlife.io>

## Education

- 2008 Ph.D. Psychology, Cognition & Perception, New York University, NY.  
 2006 M.A. Psychology, Cognition & Perception, New York University, NY.  
 2000 Laurea. Experimental Psychology (*summa cum laude*), University of Rome *La Sapienza*, ITALY.

## Positions

- 2020- Associate Professor, Department of Psychology, The University of Texas at Austin.  
 2019-20 Associate Professor, Department of Psychological and Brain Sciences, Indiana University.  
 Program in Neuroscience.  
 Program in Cognitive Science.  
 2015-19 Assistant Professor, Department of Psychological and Brain Sciences, Indiana University.  
 Program in Neuroscience.  
 Program in Cognitive Science.  
 2017-20 Adjunct Professor, Department of Intelligent Systems Engineering, Indiana University.  
 Department of Computer Science.  
 Indiana University School of Optometry.  
 2013-14 Research Associate, Stanford University, Stanford, CA.  
 2011-13 Postdoctoral Scientist, Stanford University, Stanford, CA.  
 2008-11 Postdoctoral Fellow, Columbia University, New York, NY.  
 2010 Fellow Italian Academy, Columbia University, New York, NY.  
 2009 Visiting Researcher, RIKEN Brain Science Institute, Wako, Japan.  
 2002-08 PhD Candidate, New York University, New York, NY.  
 2002 Research Assistant, New York University, Marisa Carrasco  
 2002 Adjunct Instructor, Hunter College, CUNY, New York  
 2001 IT Administrator, Atel SLR, Italy

## Publications

*Names of trainees (students and postdocs) are marked with Underlined text.*

### 2021

1. Sani, L., Stemmann, H., Caron, B., Bullock, D., Stemmler, T., Fahle, M., **Pestilli, F.**, Freiwald, W.A. (2021) The human attentional control network includes a ventro-temporal cortical node. *Nature Communications*. 12, 360 <https://doi.org/10.1038/s41467-020-20583-5>
2. Caron, B., Stuck, R., McPherson, B., Bullock, D., Kitchell, L., Faskowitz, J., Kellar, D., Cheng, H., Newman, S., Port, N., **Pestilli, F.** (2021) Collegiate athlete brain data for white matter mapping and network neuroscience. *Scientific Data* 8, 56. <https://doi.org/10.1038/s41597-021-00823-z>
3. Hanke, M., **Pestilli, F.**, Wagner, A.S., Markiewicz, C.J., Poline, J.B., Halchenko, Y.O. (2021) In defense of decentralized research data management. *Neuroforum*. <https://doi.org/10.1515/nf-2020-0037>
4. Hanekamp, S., Ćurčić-Blake, B., Caron, B., McPherson, B., Timmer, A., Prins, D., Boucard, C.C., Yoshida, M., Ida, M., Hunt, D., Jansonius, N.M., **Pestilli, F.**, & Cornelissen, F.W. (2021) White matter alterations in glaucoma and monocular blindness differ outside the visual system. *Scientific Reports* 11, 6866. <https://doi.org/10.1038/s41598-021-85602-x>  
**\*\*Shared senior author contribution.**
5. Bertò, G., Bullock, D., Astolfi, P., Hayashi, S., Zigiotta, L., Annicchiarico, L., Corsini, F., et al. (2021) Classifyber, a Robust Streamline-Based Linear Classifier for White Matter Bundle Segmentation. *NeuroImage* 224 : 117402.

### 2020

6. Murphy MC\*, Mejia AF\*, Mejia J\*, Yan X\*, [+20 others], Mabry PL\*\*, Ressler S\*\*, Diekmann A\*\* and **Pestilli F\*\***. (2020) Open Science, Communal Culture, and Women's Participation in the Movement to Improve Science. *Proceedings of the National Academy of Science*. <https://doi.org/10.1073/pnas.1921320117>. **\*Shared first author contribution. \*\*Shared senior author contribution.** [Paper Nominated for the 2020 NAS Cozzarelli Prize]
7. Chandio, B.Q., Risacher, S.L., **Pestilli, F.**, Bullock, D., Yeh, FC, Koudoro, S., Rokem, A., Harelak J., & Garyfallidis, E. (2020) Bundle analytics, a computational framework for investigating the shapes and profiles of brain pathways across populations. *Scientific Reports* 10, 17149. <https://doi.org/10.1038/s41598-020-74054-4>

8. Kurzawski, J.W., Mikellidou, K., Morrone, M.C. and **Pestilli, F.** (2020) The visual white matter connecting human area prostriata and the thalamus is retinotopically organized. *Brain Structure and Function*. 225, 1839–1853. <https://doi.org/10.1007/s00429-020-02096-5>.
9. Kaneko, T.\*, Takemura, H.\*, **Pestilli, F.**, Silva, AC., Ye FQ., & Leopold, DA (2020) Spatial organization of occipital white matter tracts in the common marmoset. *Brain Structure and Function* \***shared contribution**
10. Rheault, F.; De Benedictis, A.; Daducci, A.; Maffei, C.; Tax, C.M.W.; Romascano, D.; Caverzasi, E.; Morency, F.C.; Corrivetti, F.; **Pestilli, F.**; et al. (2020) Tractostorm: The what, why, and how of tractography dissection reproducibility. *Human Brain Mapping* <https://doi.org/10.1002/hbm.24917>.
11. Ahmadi, K., Fracasso A., Puzniak, RJ, Gouws AD, Yakupo, R., Speck, O., Kaufmann, J., **Pestilli, F.** Dumoulin, SO., Morland, AB, Hoffmann, MB. (2020) Triple visual hemifield maps in a case of optic chiasm hypoplasia. *Neuroimage* 215(15) <https://doi.org/10.1016/j.neuroimage.2020.116822>

## 2019

12. Meija, J., Meija, A. and **F. Pestilli** (2019) Open data on industry payments to healthcare providers reveals potential hidden costs to the public. *Nature Communications*, 10, 4314 <https://doi.org/10.1038/s41467-019-12317-z>
13. Sani, L., McPherson, B.C., Stemann, H., **Pestilli, F.**,\* Freiwald, W.A.\* (2019) Functionally defined white matter of the macaque monkey brain reveals a dorso-ventral attention network. *eLife*. DOI: 10.7554/eLife.40520 \* **shared senior author contribution** (Cover article)
14. Bullock, D., Takemura, H., Caiafa, C. F., Kitchell, L., McPherson, B., Caron, B., and **Pestilli, F.** (2019) Associative white matter tracts in the posterior human brain with different degrees of investigative attention. *Brain Structure and Function*. DOI: [10.1007/s00429-019-01907-8](https://doi.org/10.1007/s00429-019-01907-8)
15. Avesani, P., Caiafa, C., McPherson, B., Saykin, A., Hayashi, S., Herschel, R., A., Garyfallidis, E., Kitchell, L., Bullock, D., Patterson, A., O'Riley, S., Olivetti, E., Sporns, O., Saykin, A., Wang, L., Dinov, I., and **Pestilli, F.** (2019) The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. *Nature: Scientific Data*. DOI: 10.1038/s41597-019-0073-y.
16. Rheault, F. De Benedictis, A. Daducci, A., Maffei, C., Tax, CMW., Romascano, D., Caverzasi, E., Morency, FC., Corrivetti, F., **Pestilli, F.**, Girard, G., Theaud, G., Zemmoura, I., Hau, J., Glavin, K., Jordan, KM., Pomiecko, K., Chamberland, M., Barakovic, M., Goyette, N., Poulin, P., Chenot, Q., Panesar, SS., Sarubbo, S., Petit, L., Descoteaux, M. (2019) Tractostorm: The what, why, and how of tractography dissection reproducibility. *Human Brain Mapping*. DOI: 10.1002/hbm.24917
17. Puzniak, RJ, Ahmadi, K., Kaufmann, JK., Gouws, A., Morland, AB., **Pestilli, F.**,\* and Hoffmann, MB.\* (2019) Quantifying nerve decussation abnormalities in the optic chiasm *Neuroimage: Clinical*. DOI: 10.1016/j.nicl.2019.102055 \* **shared senior author contribution**
18. Rossini PM, Di Iorio R, Bentivoglio M, Bertini G, Ferreri F, Gerloff C, Ilmoniemi R, Miraglia F, Nitsche M, **Pestilli F.** Rosanova M, Shirota Y, Tesoriero C, Ugawa Y, Vecchio F, Ziemann U & Hallett M (2019) Methodological paper on brain connectivity: an international panel of Experts from an IFCN-sponsored meeting. *Clinical Neurophysiology*. DOI: 10.1016/j.clinph.2019.06.006.

## 2018

19. **Pestilli F.**, (2018) Human white matter and knowledge representation. *PLoS Biology* DOI: 10.1371/journal.pbio.2005758
20. Takemura, H., **Pestilli, F.** Weiner, KS. (2018) Comparative neuroanatomy: integrating classic and modern methods to understand association fibers in visual cortex. *Neuroscience Research*. DOI:10.1016/B0-12-370878-8/00075-6
21. Yoshimine, S., Ogawa, S., Horiguchi, H., Terao, M., Miyazaki, A., Tsuneoka, H., Masuda, Y., and **Pestilli, F.** (2018) Age-related macular degeneration affects the optic radiation white matter projecting to locations of retinal damage. *Brain Structure and Function*. DOI: 10.1007/s00429-018-1702-5
22. Glozman, T., Bruckert, L., **Pestilli, F.**, Yecies, D.W., Guibas, L., Yeom, K. (2018) Framework for Shape Analysis of White Matter Bundles. *Neuroimage*. 167:466-477.
23. Kellar, D., Newman, S., **Pestilli, F.**, Cheng, Hu., Port, N., (2018) Comparing fMRI activation during smooth pursuit eye movements among contact sport athletes, non-contact sport athletes, and non-athletes. *Neuroimage: Clinical*. DOI: 10.1016/j.nicl.2018.01.025

## 2017

24. Caiafa C. and **Pestilli, F.** (2017) Multidimensional encoding of brain connectomes. *Nature Scientific Reports*. DOI: 10.1038/s41598-017-09250-w
25. Miller J.K., Hermes, D., **Pestilli, F.**, Wig, G.S., and Ojemann, J.O. (2017) Face percept formation in human ventral temporal cortex. *Journal of Neurophysiology*, DOI: 10.1152/jn.00113.2017
26. Takemura H, **Pestilli F.**, Weiner KS, Keliris GA, Landi SM, Sliwa J, Ye FQ, Barnett MA, Leopold DA, Freiwald WA, Logothetis NK, Wandell BA. (2017) Occipital white matter tracts in human and macaque. *Cerebral Cortex* 27 (6): 3346-3359. DOI: 10.1093/cercor/bhx070.
27. Rokem, A. Takemura, H., Bock, A. Scherf, S., Bridge, H., Fine, I., Behrman, M., Wandell, B., and **Pestilli, F.** (2017) The visual white matter: Application of diffusion MRI and fiber tractography to vision science. *Journal of Vision*. 17(2):4. DOI:

10.1167/17.2.4

28. K.L. Main, S. Soman, **Pestilli, F.** A. Furst, A. Noda, J. Kong, J. Cheng, J.K. Fairchild, L. Kinoshita, J. Taylor, J. Yesavage, J.W. Ashford and M. Adamson (2017) DTI metrics from the right inferior longitudinal fasciculus and thalamic tract best discriminate TBI patients from neurologically healthy controls: a receiver operator characteristic analysis of US Veterans. *NeuroImage: Clinical*.
29. Glozman, T., Solomon, J., **Pestilli, F.**, and Guibas, L. (2017) Shape descriptors as imaging biomarkers for Alzheimer's disease. *Journal of Alzheimer's disease*. 56(1): 287–295.

## 2016

30. Takemura, H., Cai, C., Wandell, B.A., and **Pestilli, F.** (2016) Ensemble tractography. *PLoS Computational Biology*. DOI: 10.1371/journal.pcbi.1004692
31. Leong, J., **Pestilli, F.**, Wu, C., Samanez-Larkin, G., and Knutson, B. (2016) Anatomical identification of the white-matter pathways between the NAc to Insular cortex. *Neuron*. 89(1): 63–69.
32. Libero LE, Berge WK, Deshpande HD, **Pestilli F.**, & Kana RK (2016) White Matter Diffusion of Major Fiber Tracts Implicated in Autism Spectrum Disorder. *Brain Connectivity*. 6(9): 691-699.
33. Aijna, S. **Pestilli, F.**, Rokem, A., and Bridge, H. (2015) Human blindsight is mediated by an intact geniculo-extrastriate pathway. *eLife*.
34. Goldstone, R. **Pestilli, F.**, and Börner, K. (2015) Self-portraits of the brain: cognitive science, data visualization, and communicating brain structure and function. *Trends in Cognitive Science*. Cover Article.

## 2015

35. **Pestilli, F.** (2015) Test-retest measurements and digital validation for in vivo neuroscience, *Nature: Scientific Data* 2 (140057) DOI:10.1038/sdata.2014.57.
36. Takemura, H., Yeatman, J. Rokem, A., Winawer, J., Wandell, B. and **Pestilli, F.** (2015) A major human white-matter pathway between dorsal and ventral visual cortex. *Cerebral Cortex*.
37. Allen, B., Spiegel, D., Thompson, B., **Pestilli, F.\***, Rokers, B\*. (2015) Altered white matter in visual pathways as a result of amblyopia. *Vision Research*. **\*Equal senior author contribution.**
38. Saber, G.\* **Pestilli, F.\*** and Curtis, C. (2015) Saccade planning increases topographic activity in visual cortex. *The Journal of Neuroscience*. 35(1):245-252. **\*Equal contribution.**
39. Gomez, J., **Pestilli, F.**, Witthoft, N., Golarai, G., Liberman, A., Poltoratski, A., Yoon, J., Grill-Spector, K. (2015) Development of high-level visual fasciculi correlates with face perception. *Neuron*. 85 (1).

## 2014

40. Rokem, A. Yeatman, J. **Pestilli, F.** Mezer, A. Wandell, B. (2014) Evaluating models of MRI diffusion. *PLoS one*.
41. **Pestilli, F.**, Yeatman, J. Rokem, A., Kay, K. and Wandell, B. (2014) Evaluation and statistical inference in living connectomes. *Nature Methods*. DOI:10.1038/nmeth.3098.
42. Yeatman, J.D., Weiner, K.S., **Pestilli, F.**, Rokem, A., Mezer, A., Wandell, B.A. (2014) The vertical occipital fasciculus: A century of controversy resolved by in vivo measurements. *Proceedings of the National Academy of Sciences*. 111.48: E5214-E5223.
43. Ling, S., Jehee, J., and **Pestilli, F.** (2014) A review of the mechanisms by which attentional feedback shapes visual selectivity. *Brain Structure and Function*. DOI:10.1007/s00429-014-0818-5.
44. Main, K.\* **Pestilli, F.\***, Mezer, A. Yeatman, J. Martin, R. Phipps, S. Wandell, B. (2014) Speed discrimination predicts word but not pseudo-word reading rate in adults and children. *Brain and Language*. **\*Equal contribution.**
45. Hara, Y., **Pestilli, F.**, and Gardner, J.L (2014) Differing predictions for single-units and neuronal populations of the normalization model of attention. *Frontiers in Computational Neuroscience*.
46. Ogawa, S., Takemura, H., Horiguchi, H., Terao, M., Haji, T., **Pestilli, F.**, Yeatman, J., Tsuneoka, H., Wandell, B., Masuda, Y. (2014) White matter consequences of retinal receptor and ganglion cell damage. *Investigative Ophthalmology and Vision Science, IOVS*.

## 2013 and prior

47. **Pestilli, F.**, Heeger, D., Carrasco, M., & Gardner, J. (2011) Attentional enhancement via selection and pooling of early sensory responses in human visual cortex. *Neuron*. 72(5): 832–846.
48. **Pestilli, F.**, Ling, S., & Carrasco, M. (2009) A population-coding model of attention's influence on contrast response: estimating neural effects from psychophysical data. *Vision Research*. 49(7):735.
49. Montagna, B., **Pestilli, F.**, & Carrasco, M. (2009) Attention trades off spatial acuity. *Vision Research*.
50. Ferrera V, Teichert T, Grinband J, **Pestilli F.**, Dashnaw S, & Hirsch J. (2008) Functional Imaging with Reinforcement,

Eyetracking, and Physiological Monitoring *JoVE*. 21

51. **Pestilli, F.**, Viera, G., & Carrasco M. (2007) How do attention and adaptation affect contrast sensitivity? *Journal of Vision*. 7 (7):1-12.
52. Liu T., **Pestilli F.**, & Carrasco M. (2005) Transient attention enhances performance and fMRI response in human visual cortex. *Neuron*. 45 (3): 469–47.
53. **Pestilli F.** & Carrasco M. (2005) Attention enhances contrast sensitivity at cued and impairs it at uncued locations. *Vision Research*. 45 (14): 1867–75.

## Peer reviewed conference articles and public archives

*Names of trainees (students and postdocs) are marked with Underlined text.*

1. Aminmansour, F., Patterson, A., Le, L., Peng, Y., Mitchell, D., **Pestilli, F.**, Caiafa, C.F., Greiner, R., and White, M. (2019) Learning Macroscopic Brain Connectomes via Group-Sparse Factorization. *Neural Information Processing Systems (NeurIPS)*. (2019 acceptance rate 22%)
2. Kumar, S., Sreenivasan, V., Talukdar, P., **Pestilli, F.**, and Devarajan, S. (2019) ReAI-LiFE: Accelerating the Discovery of Individualized Brain Connectomes on GPUs, *Thirty-Third AAAI Conference on Artificial Intelligence, Honolulu, HI*.
3. Lindsey, K., Bullock, D., Hayashi S., and **Pestilli, F.** (2018) Shape Analysis of White Matter Tracts via the Laplace-Beltrami Spectrum, *Shape in Medical Imaging Workshop at MICCAI, Granada, Spain*.
4. Caiafa, C., Saykin, A., Sporns, O., and **Pestilli, F.** (2017) Tensor encoding and decomposition of brain connectomes with application to tractography evaluation. *Neural Information Processing Systems (NIPS)*. (Spotlight talk, Top 2% of all accepted submissions. 2017 NIPS acceptance rate 20%)
5. Caiafa, C., Cichocki A. **Pestilli, F.** (2017) A Sparse Tensor Decomposition with Multi-Dictionary Learning Applied to Diffusion Brain Imaging. *The Signal Processing with Adaptive Sparse Structured Representations (SPARS)*, Lisbon, Portugal.
6. Gugnani, S., Lu, X., **Pestilli, F.**, Caiafa, C., Panda, D.K. (2017) MPI-LiFE: Designing High-Performance Linear Fascicle Evaluation of Brain Connectome with MPI. *IEEE 24th International Conference on High Performance Computing (HiPC)*, Jaipur, India.
7. Caiafa, C. and **Pestilli, F.** (2015) Sparse multiway decomposition for analysis and modeling of diffusion imaging and tractography. <http://arxiv.org/abs/1505.07170>
8. Zheng, C., **Pestilli, F.**, and Rokem, A. (2014) Deconvolution of High Dimensional Mixtures via Boosting, with Application to Diffusion-Weighted MRI of Human Brain. *Neural Information Processing Systems (NIPS)*.
9. Zheng, C., **Pestilli, F.**, and Rokem, A. (2014) Quantifying error in estimates of human brain fiber directions using Earth Mover's Distance. *arXiv:1411.5271. (NeuroIPS – Workshop.)*

## Fellowships, Honors and Awards

### Awards

- 2017 Fellow Psychonomics Society
- 2016 Janet Taylor Spence Award for Transformative Early Career Achievements Association for Psychological Science.
- 2016 Fellow Association for Psychological Science
- 2016 Japanese Society for Neuroscience, Early Career Travel Award.
- 2016 Exceptional Reviewer Recognition. Journal of Vision. The Association for Research in Vision and Ophthalmology
- 2016 IU Nomination for the Blavatnik Award (only one nominee yearly for Indiana University).

### Fellowships

- 2019 Microsoft Faculty Fellowship (15 selected world-wide, the only awardee not in CS nor in Eng).
- 2017 Fondazione Bruno Kessler, University of Trento, ITALY.
- 2012 Department of Computer Science, University of Verona, ITALY.
- 2011 Postdoctoral Fellowship, Japanese Society for the Promotion of Science (JSPS), RIKEN, Japan.
- 2009 Fellowship, Italian Academy for Advanced Studies, Columbia University, NY.
- 2008 Computational Neuroscience: Vision – Cold Spring Harbor Laboratory, NY.
- 2006 Summer School of Visual Neuroscience – University of Gießen, GERMANY
- 2002–2006 MacCracken Fellowship, Graduate School of arts and Sciences, New York University, NY.
- 2001 Graduate Exchange Program, University of Rome La Sapienza, ITALY.
- 1999 Undergraduate Exchange Program, University of Rome La Sapienza, ITALY.
- 1999 European Union Students Exchange Program, University of Rome, ITALY.
- 1998 Master Thesis National Agency for New Technologies, Energy and the Environment, ITALY.

### Honors

2000 *Summa cum laude*, University of Rome La Sapienza, ITALY.

### Travel grants

2015 National Academy of Sciences, Sackler Colloquium, Washington, D.C., USA.  
2008, 2009 Columbia University, Department of Neuroscience.  
2009 Conference on Cognitive and Neural Systems, Boston University, MA.  
2005 European Conference of Visual Perception, Arezzo, ITALY.  
2003, 2007 Graduate School of Arts and Sciences, New York University, NY.

## Research grants

### Active.

Title: A personalized approach to predicting long term neuro-psychiatric outcomes in TBI.

Source: *U.S. Department of Defense (special program BIG DATA).*

Location: Indiana University and the University of Texas

Total Award Amount: \$750,000

Dates: 08/01/20-07/30/2022

PI N. Port, co-PI I. F. Pestilli.

Title: CRCNS US-France Data Sharing Proposal: Advancing MEEG training & discovery via open science & cloud computing

Source: *National Institute of Health (R01 NIBIB)*

Location: Indiana University and the University of Texas

Total Award Amount: \$770,000

PI A. Puce. Co-I F. Pestilli, N. George, M. Chaumon, L. Hugueville (Paris, France).

Title: Advancing science and education via a human-AI cooperation on data, analyses and publications.

Source: *Faculty Investigator Fellowship, Microsoft Corporation.*

Location: The University of Texas (in transfer)

Total Award Amount: \$200,000

Dates: 01/01/20-12/31/2021

PI F. Pestilli.

Title: SBE Postdoctoral Fellowship: Harnessing machine learning and cloud computing to test biological models of the role of white matter in human learning

Source: *National Science Foundation*

Location: Indiana University

Total Award Amount: \$138,000

PI S. Vinci-Booher. Sponsor F. Pestilli.

Title: BD Hubs: Collaborative Proposal: Midwest: Midwest Big Data Hub: Building Communities to Harness the Data Revolution.

Source: *National Science Foundation (special program BIG DATA).*

Location: Indiana University

Total Award Amount: \$339,997

Dates: 06/01/19-05/31/2023

PI F. Pestilli. co-PI I. Kouper, V. Pentchev (Indiana University).

Title: CRCNS US-German Data Sharing Proposal: DataLad - a decentralized system for integrated discovery, management, and publication of digital objects of science

Source: *National Science Foundation*

Location: Indiana University and the University of Texas

Total Award Amount \$152,802 to Pestilli

PI F. Pestilli. PI Y. Halchenko (Dartmouth) M. Hanke (Jülich, Germany).

Title: CRCNS US-France Data Sharing Proposal: Collaborative: Advancing neuroscientific discovery and training by lowering the barrier of entry to network neuroscience via open science

Source: *National Institute of Health (R01 NIBIB)*

Location: Indiana University and the University of Texas

Total Award Amount: \$446,021

PI R. Betzel. Co-I F. Pestilli, D. Bassett (University of Pennsylvania), M. Vico-Fallani (Marseille, France).

Title: NCS-FO: Connectome mapping algorithms with application to community services for big data neuroscience.

Source: *National Science Foundation (special program The BRAIN Initiative).*

Location: Indiana University and the University of Texas

Total Award Amount: \$650,000

Dates: 09/01/17-08/31/2021

PI F. Pestilli. co-PI E. Garyfallidis, R. Herschel (Indiana University), Ivo Dinov (University of Michigan), Lei Wang (Northwestern University).

Title: Advanced Computational Neuroscience Network (ACNN).

Source: *National Science Foundation (Special Program for Big Data)*

Location: The University of Texas (in transfer)

Total Award Amount: \$332,000

Dates: 09/01/16-08/31/21

PI F. Pestilli. co-PI O. Sporns, A. Saykin, (Indiana University), Lei Wang (Northwestern University, IL).

### Inactive.

Title: Brain-Life.org: A public platform for reproducible biomedical science imaging.

Source: *XSEDE Allocation, National Science Foundation (passthrough).*

Location: Indiana University and the University of Texas

Total Award Amount (in credits): \$617,039

Dates: 2018/01/01-12/31

PI F. Pestilli.

Title: Workshop on Learning in Humans and Machines.

Source: *Association for Psychological Science & Psychonomics Society (Estes Fund for Teaching and Education).*

Total Award: \$20,000

Dates: 12/01/17-05/30/2018

PI Pestilli F., co-PI Smith, L., Goldstone, R.

Title: Learning: Brains, Machines and Children

Source: *Indiana University, Area of emerging research.*

Total Award: \$3,000,000

Dates: 05/01/17-04/30/2020

PI Smith, L., co-PI Sporns, O., Crandall, D., White, M., James, K., Goldstone, R., Landy, D., Pestilli, F.

## Trainees grants and Award

PI: Sofia Vinci-Booher (Postdoc). Mentor. F. Pestilli.

Title: Vision Science Society Elsevier Travel Award.

Source: *Vision Science Society.*

Dates: 2021

PI: Jasleen Jolly (Ph.D. student). Mentor. H. Bridge and F. Pestilli.

Title: ARVO Travel Award.

Source: *Association for Research in Vision and Ophthalmology.*

Dates: 2021

PI: Ricardo Stuck (IU Undergraduate). Mentor. F. Pestilli.

Title: Sharon Stephens Brehm Excellence in Neuroscience Award.

Source: *Indiana University.*

Dates: 2020

PI: Daniel Bullock (IU PhD Student). Mentor. F. Pestilli.

Title(s): Data Science for the Public Good (DSPG) Young Scholars program 2020

UW eScience Institute Neurohackacademy Summer Scholar 2019

NIH T32 Clinical Translational NIMH Predoctoral Training Fellowship

IU Department of Psychological and Brain Sciences travel award

Center for Information and Neural Networks (CiNet) Winter fellowship (JAPAN)

IU Department of Psychological and Brain Sciences fellowship

PI: Ricardo Stuck (IU Undergraduate). Mentor. F. Pestilli.

Title: Sharon Stephens Brehm Excellence in Neuroscience Award.

Source: *Indiana University.*

Dates: 2020

PI: Josiah Leong. Mentor: F. Pestilli.  
Title: Cloud computing to advance big data neuroscience research.  
Source: *Microsoft Research. Postdoctoral Fellowship.*  
Location: Indiana University.  
Dates: 2019.

PI: Lindsey Kitchell. Mentor: F. Pestilli.  
Title: Travel Scholarship for Women in Science.  
Source: *Indiana University.*  
Location: MICCAI 2018, Granada, SPAIN.  
Dates: Summer 2018

PI: Aman Arya (University of Washington Undergraduate). Mentor: F. Pestilli.  
Title: Research Undergraduate Experience (RUE).  
Source: *National Science Foundation.*  
Location: Indiana University.  
Dates: Summer 2017

PI: Stephen O'Riley (High-school Student, currently IU Undergraduate). Mentor: F. Pestilli.  
Title: Research Undergraduate Experience (RUE).  
Source: *National Science Foundation.*  
Location: Indiana University.  
Dates: Summer 2017

PI: Shiloh Cooper (IU Undergraduate). Mentor: F. Pestilli.  
Title: Summer Research Grant.  
Source: *Hutton Honors College.*  
Location: Indiana University.  
Dates: Summer 2016

PI: Ian Chavez (IU Undergraduate). Mentor: F. Pestilli.  
Title: Summer *STARS Scholarship.*  
Source: Indiana University.  
Location: Indiana University.  
Dates: Summer 2016

## Open science, data science projects

### *Brain anatomy, white matter and connections*

**brainlife.io** Open platform for data, algorithms with seamless deployment on cloud systems and high-performance clusters for collaborative reproducible research. [brainlife.io](http://brainlife.io) | [github.com/brainlife](https://github.com/brainlife) | [hub.docker.com/u/brainlife](https://hub.docker.com/u/brainlife)

**The Brain Imaging Data Structure** | <https://bids.neuroimaging.io> | <https://github.com/bids-standard/bids-bep016>

**ENCODE** Technology for representing brain connectomes.  
[github.com/brain-life/encode](https://github.com/brain-life/encode)

**LiFE** Technology for mapping, evaluation and statistical inference in human connectomes.  
<https://francopestilli.github.io/life>

**MBA** Code to generate accurate and reproducible brain anatomy images.  
<https://github.com/francopestilli/mba>

**LiFE\_scripts** Code for sharing scientific methods and knowledge on brain mapping.  
[https://github.com/francopestilli/life\\_scripts](https://github.com/francopestilli/life_scripts)

### *Brain function, activity and behavior*

**VISTASOFT** Code for brain mapping and analysis of Diffusion and BOLD imaging.  
<https://github.com/francopestilli/vistasoft>

**mrTools** Code for analysis of brain activity and behavior.  
<http://gru.stanford.edu/doku.php/mrTools/overview>

**MGL** Code for measuring human behavior and designing experimental protocols.  
<http://gru.stanford.edu/doku.php/mgl/overview>

## Mentoring

### *Laboratory alumni*

1. Josiah Leong, Postdoc, Indiana University, 2019-2020,  
*Post Lab Placement: Assistant Professor University of Arkansas (Summer 2020).*
2. Lindsey Kitchell, PhD Student, 2019  
*Post Lab Placement: Research Scientist, John Hopkins University*
3. Cesar Caiafa, Postdoc, Indiana University, 2016-2018  
*Post Lab Placement: Assistant Professor University of Buenos Aires.*
4. Yiming Qian, Undergraduate assistant, Indiana University, 2017-2018  
*Post Lab Placement: PhD student Pennsylvania State University.*
5. Shiloh Cooper, Undergraduate assistant, Indiana University, 2016-2017  
*Post Lab Placement: PhD student Northwestern University.*
6. Andrew Patterson, Undergraduate assistant, Indiana University, 2016-2017  
*Post Lab Placement: PhD student University of Alberta.*
7. Aman Arya Undergraduate assistant 2016-2017  
*Post Lab Placement: Masters student Georgia Tech, Employee Amazon, Inc.*
8. Stephen O'Riley, Undergraduate assistant 2016-2018  
*Post Lab Placement: Employee PSI Services.*

### *Postdoctoral researchers at The University of Texas*

- 2021 – Julia Guiomar Niso Galán, Ph.D. Universidad Politécnica de Madrid (Spain).  
2021 – Giulia Berto, Ph.D. The University of Trento (Italy).  
2019 – Sophia Vinci-Booher, Ph.D. Indiana University.  
2020 – Sandra Hanekamp, Ph.D. The University of Groningen (the Netherlands)

### *Postdoctoral researchers at Indiana University*

- 2021 – Giulia Vinci-Booher, Ph.D. from Indiana University.  
2019 – Sophia Vinci-Booher, Ph.D. from Indiana University.  
2020 – Sandra Hanekamp, Ph.D. from The University of Groningen  
2019 – 2020 Josiah Leong, Ph.D. from Stanford University.  
2016 – 2018 Cesar Caiafa PhD from The University of Buenos Aires

### *PhD students at Indiana University*

- 2020-current Taylor Zuidema.  
Indiana University, Programs in Neuroscience and Vision Science, IN.
- 2016-current Bradley Caron.  
Indiana University, Department of Psychological and Brain Sciences, IN.  
- Awarded 2017 NSF Predoctoral Honorary Mention in the Pestilli Lab  
- 2020 Teaching Assistant Award IU Department of Psychological and Brain Sciences
- 2015-current Daniel Bullock.  
Indiana University, Department of Psychological and Brain Sciences, IN.
- 2015-current Brent McPherson.  
Indiana University, Department of Psychological and Brain Sciences, IN.
- 2017-2019 Lindsey Kitchell.  
Indiana University, Program in Cognitive Science, IN.  
- Commendation for outstanding performance on Ph.D. qualifying examinations  
- IUB Provost's Travel Award for Women in Science  
- IU Center of Excellence for Women in Technology Poster Competition
- 2015-2016 Samantha Faber.  
Indiana University, Department of Psychological and Brain Sciences, IN.  
- Awarded 2016 NSF Predoctoral Honorary Mention in the Pestilli Lab.

### *Undergraduate students at Indiana University*

- 2010- Wesley Wolf, Neuroscience, Indiana University.  
*Prospective Medical Student*
- 2018-21 Ricardo Stuck, Neuroscience, Indiana University.  
*Prospective Medical Student, Army ROTC, IU Varsity Athlete*  
- 2020 Sharon Stephens Brehm Excellence in Neuroscience Award IU



2018-20	David Hunt, Neuroscience and Math, Indiana University.
2017-18	Yiming Qian, Psychology and Education, Indiana University.
2015-17	Shiloh Cooper, Neuroscience and Cognitive Science, Indiana University. <i>2016 Hutton Honors College Research Grant.</i>
2017	Aman Arya, Mathematics, University of Washington. - <i>Awarded, NSF, RUE at Indiana University.</i>
2017-18	Stephen O'Riley, Computer Science, Indiana University. - <i>Awarded, NSF RUE at Indiana University.</i>
2016-17	Andrew Patterson, Computer Science, Indiana University.
2016	Ian Chavez, Psychology Major, Indiana University. - <i>Awarded Summer 2016 STARS Fellowship (\$5,000).</i> - <i>Awarded McNair Research Program Fall 2016</i>
2015-2017	Jack Zhang. - <i>Cox Scholar, Cognitive Science, Indiana University.</i>
2015	Samuel Pilgrim, Fall 2015, Mathematics and Cognitive Science, Indiana University.

*Undergraduate, graduate students and postdocs that visited the Pestilli Lab at Indiana University*

2019-2020	Jasleen Jolly,	Graduate student, Oxford University, U.K.
2017-2020	Giulia Berto,	Graduate student, University of Trento, Italy.
2016-2020	Ilaria Sani,	Postdoc, Rockefeller University, NY.
2016-2020	Robert Punzniak,	Graduate student, University of Magdeburg, Germany.
2015-2018	Sandra Hanekamp,	Graduate student, University of Groningen, The Netherlands
2015	Julien Möhlen,	Undergraduate student, Oxford University, Oxford, UK.

*Other graduate students and postdocs mentored*

2017	Shashank Gugnani,	Graduate student, Computer Science, Ohio State University, OH
2017-2018	Vineet Raichur,	Postdoc, Psychology, University of Michigan, MI
2014-2017	Tanya Glozman,	Graduate student, Electrical Engineering, Stanford University, CA.
2014	Josiah Leong,	Graduate student, Psychology, Stanford University, CA.
2012-2014	Hiromasa Takemura,	Postdoc, Psychology, Stanford University, CA.
2013-2014	Sara Aijna,	Medical Student, Oxford University, UK
2013-2014	Charles Zheng,	Graduate Student, Statistics, Stanford University, CA.
2013-2014	Jesse Gomez	Graduate Student, Neuroscience, Stanford University, CA.
2013-2014	Brian Allen	Graduate Student, Psychology, University of Wisconsin Madison, WI.
2010	Goldbarg Saber,	Graduate Student, Neuroscience, New York University, NY.

## Teaching

*Instructor in rank of Associate Professor at The University of Texas at Austin*

2021	Spring	Laboratory in Digital Neuroanatomy (Graduate), PSY 394P
2020	Fall	Laboratory in Cognitive and Computational Neuroscience (Graduate and Undergraduate), PSY341K

*Instructor in rank of Associate Professor at Indiana University*

2020	Spring	Laboratory in Cognitive Neuroscience (Undergraduate), P457
2020	Spring	Introduction to Neuroscience – section on Neuroanatomy (graduate), N501

*Instructor in rank of Assistant Professor at Indiana University*

2019	Spring	Cognitive Psychology (Undergraduate), P335
2019	Spring	Introduction to Neuroscience – section on Neuroanatomy (graduate), N501
2018	Fall	Cognitive Psychology (Undergraduate), P335
2018	Spring	Cognitive Psychology (Undergraduate), P335
2017	Fall	Cognitive Psychology (Undergraduate), P335
2017	Spring	The new digital neuroanatomy. P657 <a href="https://github.com/francopestilli/pestilli-teaching-2017">github.com/francopestilli/pestilli-teaching-2017</a> .
2016	Fall	Cognitive Psychology (Undergraduate), P335
2016	Spring	Statistics techniques, K310 <a href="https://github.com/francopestilli/stats-k310">github.com/francopestilli/stats-k310</a>
2015	Fall	Cognitive Psychology (Undergraduate), P335
2015	Spring	Statistics techniques (Undergraduate), K310 <a href="https://github.com/francopestilli/stats-k310">github.com/francopestilli/stats-k310</a>

*Instructor prior to Indiana University*

2012	Statistics and data analysis in MatLab (Graduate), <a href="https://talks.stanford.edu/psych-216a">talks.stanford.edu/psych-216a</a> Stanford University, Department of Psychology, CA. Course: co-Instructors: J. Yeatman, K.Kay.
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- 2002 Introduction to Psychology (Undergraduate).  
Hunter College, City University of New York, Department of Psychology, NY.
- 2002 Cognitive Processes (Undergraduate).  
Hunter College, City University of New York, Department of Psychology, NY.

#### *Guest Lecturer*

- 2017 Network Neuroscience  
Indiana University, Cognitive Science Program, IN. Instructor: O. Sporns.
- 2015, 2016 Cognitive Science  
Indiana University, Cognitive Science Program, IN. Instructor: P. Todd.
- 2013 Perception  
Stanford University, Department of Psychology, CA. Instructor: K. Grill-Spector.
- 2012 Cognitive Neuroscience  
Stanford University, Department of Psychology, CA. Instructor: S. McClure, Ph.D.
- 2010 Magnetic Resonance Imaging  
Columbia University, Department of Radiology, NY. Instructor: J. Hirsch, Ph.D.
- 2009 Seminar in Attention and Awareness  
Columbia University, Department of Psychology, NY. Instructor: H. Lau, Ph.D.

#### *Teaching Assistant prior to Indiana University*

- 2006 Laboratory in Perception New York University, Department of Psychology, NY. Instructor: D. Pelli.
- 2004 Perception New York University, Department of Psychology, NY. Instructor: D. Heeger.
- 2003 Introduction to Psychology New York University, Department of Psychology, NY. Instructor: Phelps.

## Scientific and academic service

#### *Editorial Board Member*

- Scientific Data (*Nature Publishing Group*) Editor Andrew Hufton.
- Scientific Reports (*Nature Publishing Group*) Editor Richard White
- Neural Networks (*Elsevier*) Editors Kenji Doya and DeLiang Wang

#### *Previous Editorial Service*

- 2014-2020 Brain Structure and Function (*Springer*) Editors Karl Zilles and Laszlo Zaborszky.
- 2016-2019 Cognitive Processing (*Springer*) Editor M. Olivetti-Belardinelli.

#### *Guest or Acting Editor*

- Started 2018 PNAS Proceedings of the National Academy of Science.
- Started 2018 Nature Scientific Data.
- 2016-2018 Cognitive Processing.

#### *Scientific reviewer*

- PNAS Proceedings of the National Academy of Science
- Nature Neuroscience
- Nature Methods
- Nature Communications
- Nature Scientific Reports
- Nature Scientific Data
- Journal of Neuroscience
- Cerebral Cortex
- PLoS Biology
- PLoS Computational Biology
- Brain Structure and Function
- Human Brain Mapping
- Journal of Alzheimer Disease
- Brain Imaging and Behavior
- Journal of Vision
- Vision Research
- Frontiers in Human Neuroscience
- Visual Neuroscience
- Neuroscience and Neuroeconomics
- Journal of Cognitive Psychology
- Neuroscience
- Investigative Ophthalmology & Visual Science
- NIPS (Neural Information processing systems)
- Journal of Magnetic Resonance Imaging
- Neuroimage
- Transaction in Medical Imaging
- Attention Perception and Psychophysics

#### *Grant reviewer*

- 2020 The National Institute of Mental Health (NIH). *BRAIN Initiative Panel member.*
- 2019 The National Science Foundation (NSF). *NSF Panel member.*
- 2018 The National Science Foundation (NSF). *NSF Panel member.*
- 2018 The National Science Foundation (NSF) *Ad-hoc reviewer.*
- 2016 The National Science Foundation (NSF) Information and intelligent systems (IIS). *Ad-hoc reviewer.*

- 2015-2019 European Research Council - ERC Advanced Grants. *Ad-hoc reviewer*.
- 2015, 2016, 2017, 2018 The Italian National Institute of Health (Ministero della Sanita). *Ad-hoc reviewer*.
- 2015, 2016 Israeli Science Foundation 2015-present). *Ad-hoc reviewer*.

#### *Prizes and Awards Reviewer*

- 2019, 2019 The Association for Psychological Science (APS). APS Rising Stars Selection Committee member.

#### *University level service*

- 2018-current Indiana University Program in Neuroscience (PNS) Executive Board Member.
- 2018-current Indiana University Network science Institute (IUNI) Advisory Board Member.
- 2015-2017 Indiana University Neuroimaging Center Database Management System. nims.uits.iu.edu
- 2016, 2018 IU Hutton Honors College Selection for Undergraduate Awards (Rhodes, Mitchell scholarships). Selected 2016 Rhodes Scholar Morgan Mohr honorsandawards.iu.edu/search-awards/honoree.shtml?honoreeID=8041

#### *Department level service: Psychological and Brain*

- 2016-2020 PBS Space Committee.
- 2017 PBS Ad Hoc member POSTCOM Committee for PBS Faculty Retreat.
- 2015, 2016, 2017 and 2018 PBS Technological Advisory Committee.
- 2017 EAR Search Committee (*Successful hire of Richard Betzel as IU faculty*).
- 2018 PBS Diversity hire for Social Psychology (*Successful hire of Amanda Diekman and Kurt Hugenberg as IU faculty*).

#### *Scientific meetings organizer*

##### *2021*

- Association for Psychological Science 33<sup>rd</sup> Annual Convention (Program Committee)  
May 26-27, 2021, VIRTUAL. <https://www.psychologicalscience.org/conventions/2021-virtual>

##### *2020*

- NSF Workshop on Big Data Neuroscience  
Virtual Meeting, September 3 [http://neuroscienetwork.org/ACNN\\_Workshop\\_2020.html](http://neuroscienetwork.org/ACNN_Workshop_2020.html)
- Association for Psychological Science 32<sup>nd</sup> Annual Convention (Program Committee)  
May 19-20, 2020, Chicago, IL. <https://www.psychologicalscience.org/conventions/annual> (CANCELLED)

##### *2019*

- NSF Workshop on Big Data Neuroscience  
Ann Arbor, MI, September 19-20 [http://neuroscienetwork.org/ACNN\\_Workshop\\_2019.html](http://neuroscienetwork.org/ACNN_Workshop_2019.html)

##### *2018*

- BrainHack Global, Bloomington, IN, May 2-4 <https://brainhack.sice.indiana.edu>
- APS Workshop on Learning Human and Machines  
Bloomington, IN, May 14-15 <http://www.indiana.edu/~earbmc/LIHAM/>
- Midwest Cognitive Science Conference,  
Bloomington, IN, May 11-13 <http://www.indiana.edu/~pcl/mwCogsci>
- NSF Workshop on Big Data Neuroscience  
Cleveland, OH, September 7-9 [neuroscienetwork.org/ACNN\\_Workshop\\_2018.html](http://neuroscienetwork.org/ACNN_Workshop_2018.html)

##### *2017*

- NSF Workshop on Big Data Neuroscience  
Bloomington, IN, September 5-6 [neuroscienetwork.org/ACNN\\_Workshop\\_2017.html](http://neuroscienetwork.org/ACNN_Workshop_2017.html)
- BrainHack Global, Bloomington, IN,  
<https://www.soic.indiana.edu/news/story.html?story=IU-ISE-set-to-host-Brainhack-Global-Bloomington>

##### *2016*

- NSF Workshop on Big Data Neuroscience  
Ann Arbor, MI, September [neuroscienetwork.org/ACNN\\_Workshop\\_2016.html](http://neuroscienetwork.org/ACNN_Workshop_2016.html)
- Vision Social Chair, Society for Neuroscience San Diego.
- Advances in computational neuroanatomy: Symposium held at Annual meeting of the Japanese Society for Neuroscience Yokohama, JAPAN, July.

##### *2015*

- Linking behavior to cortical activity: Symposium at the Annual meeting of the Vision Science Society, St. Pete, FL, May.

2014

- The visual white-matter matters: Symposium at the Annual meeting of the *Vision Science Society*, St. Pete, FL, May.
- Neurotechniques: New Approaches to Understanding Mind, Brain and Behavior. Italian Academy for Advanced Studies, Columbia University, NY.  
[http://www.italianacademy.columbia.edu/events\\_calendar.html](http://www.italianacademy.columbia.edu/events_calendar.html)
- Vision Lunch: Department of Psychology, Stanford University, Stanford, CA.  
[http://vistalab.stanford.edu/newlm/index.php/Vision\\_Lunch](http://vistalab.stanford.edu/newlm/index.php/Vision_Lunch)

*Professional affiliations and international working groups*

- Global Brain Consortium <https://globalbrainconsortium.org/>
- International Brain Initiative <http://www.internationalbraininitiative.org/>
- Organization for Human Brain Mapping.
- The Society for Neuroscience.
- The Vision Sciences Society.
- The International Society for Magnetic Resonance in Medicine (ISMRM).
- Association for Psychological Society (APS).
- The Psychonomics Society

*Student representative*

- 2009-2011 Program in Cognition & Perception, Department of Psychology, NYU, New York, NY.

*Student coordinator*

- Organization for Human Brain Mapping, New York, NY (2004).
- First International Workshop on Attention, San Miniato, ITALY (2005).

## News and media

*My work has been featured several times in the official Indiana University Psychological and Brain Sciences outreach magazine.*

<https://magazine.psych.indiana.edu/winter-2017/features/head-in-the-clouds.html>

<http://psych.indiana.edu/update-winter-2015/beyond-average-vision.html>

2021

*Association For Psychological Science (APS). The Observer: Interview on brain networks and the human connectome*

<https://www.psychologicalscience.org/observer/totally-wired>

*Association For Psychological Science (APS). The Observer: Focus piece on new technologies for imaging*

<https://www.psychologicalscience.org/observer/cloud-platform-methods>

2020

*Open Science and Inclusion and Participation*

<https://research.impact.iu.edu/our-strengths/science-technology/science-cultures.html>

[https://www.eurekalert.org/pub\\_releases/2020-09/iu-irt090920.php](https://www.eurekalert.org/pub_releases/2020-09/iu-irt090920.php)

<https://phys.org/news/2020-09-outlines-cultures-science.html>

*Microsoft Faculty Fellowship*

March 10, 2020 Mentioned in the American Psychological Association Newsletter <https://www.apa.org/pubs/newsletters>

<https://news.iu.edu/stories/2020/02/iub/releases/27-neuroscientist-pestilli-microsoft-investigator-fellowship-cloud-computing.html>

<https://itnews.iu.edu/articles/2020/Pestilli-awarded-200,000-Microsoft-Investigator-Fellowship-.php>

<https://news.iu.edu/stories/2019/06/iub/04-tool-accelerates-brain-research.html>

*brainlife.io*

<https://www.hpcwire.com/off-the-wire/iu-to-acquire-fastest-university-owned-ai-supercomputer/>

2019

*The attentive brain*

<http://bpod.mrc.ac.uk/archive/2019/1/23>

*Research on big data in healthcare*

<https://news.iu.edu/stories/2019/09/iub/releases/20-health-care-industry-payments-medical-providers.html>

2018

*Midwest Cognitive Science Conference and Workshop on Learning in Human and Machines*

<https://news.iu.edu/stories/2018/05/iub/29-hosts-cutting-edge-conference-at-the-crossroads-of-human-and-machine-learning.html>

*Human brain shape analysis on supercomputers*

<https://itnews.iu.edu/articles/2018/IU%20PhD%20student%20set%20to%20understand%20the%20shape%20of%20human%20white%20matter%20through%20high-performance%20computing.php>

*BrainHack Global Event*

<https://news.iu.edu/stories/2018/05/iub/01-brainhack-global-conference.html>

*Sports related brain research*

[http://www.thehoosiertopics.com/news/2018-05-02/Front\\_Page/Brain\\_differences\\_in\\_contact\\_vs\\_noncontact\\_sports.html](http://www.thehoosiertopics.com/news/2018-05-02/Front_Page/Brain_differences_in_contact_vs_noncontact_sports.html)

<https://www.technologynetworks.com/neuroscience/news/brain-differences-found-in-athletes-playing-contact-vs-noncontact-sports-299489>

<https://news.iu.edu/stories/2018/04/iub/releases/05-brain-differences-in-athletes-playing-contact-vs-noncontact-sports.html>

2017

*NSF BRAIN Initiative Award*

[https://www.nsf.gov/news/special\\_reports/brain/initiative/](https://www.nsf.gov/news/special_reports/brain/initiative/)

<https://news.iu.edu/stories/2017/08/iub/10-science-brain-initiative.html>

<https://www.psychologicalscience.org/policy/nsf-program-awards-1-million-in-research-grants-to-two-psychological-scientists.html>

[https://www.eurekalert.org/pub\\_releases/2017-08/nsf-nfn080817.php](https://www.eurekalert.org/pub_releases/2017-08/nsf-nfn080817.php)

*Big Data for Psychological and Brain Science*

<https://magazine.psych.indiana.edu/features/head-in-the-clouds.html>

*Big Data for Psychological and Brain Science*

<https://magazine.psych.indiana.edu/features/head-in-the-clouds.html>

*Indiana University's University Information Technologies Services and Research Technologies*

<https://www.youtube.com/watch?v=Ihp1HWPefk8>

*Microsoft Research Award*

<https://news.iu.edu/stories/2017/06/iub/12-science-azure-awards.html>

<https://www.microsoft.com/en-us/research/blog/nsf-big-data-innovation-hubs-collaboration>

*Indiana University Emerging Areas of Research*

<http://news.indiana.edu/releases/iu/2017/01/emerging-areas-of-research-award.shtml>

2016

*Association for Psychological Science Early Career Award*

<http://www.psychologicalscience.org/index.php/publications/observer/2016/may-june-16/aps-janet-taylor-spence-award-for-transformative-early-career-contributions-5.html>

<http://www.idsnews.com/article/2016/02/two-recognized-for-contributions-in-psychology>

<http://news.indiana.edu/releases/iu/2016/01/pestilli-lewis-association-for-psychological-science-honors.shtml>

*NSF Big Data Neuroscience Award*

[https://www.nsf.gov/news/news\\_summ.jsp?cntn\\_id=189864](https://www.nsf.gov/news/news_summ.jsp?cntn_id=189864)

<https://www.hpcwire.com/2016/09/28/nsf-backs-big-data-spokes-10m-grants/>

[http://www.ncsa.illinois.edu/news/story/nsf\\_awards\\_connect\\_midwest\\_big\\_data\\_hub\\_and\\_scientists\\_to\\_solve\\_regional\\_ch](http://www.ncsa.illinois.edu/news/story/nsf_awards_connect_midwest_big_data_hub_and_scientists_to_solve_regional_ch)

*Precision brain science*

<http://psych.indiana.edu/update/beyond-average-vision.html>

*Peebles Memorial Lecture*

<https://www.youtube.com/watch?v=YaUetDHCpHs>

*White matter predicts economic decisions*

<http://news.stanford.edu/news/2016/january/addiction-brain-connection-010716.html>

*Re-discovering A Lost Part of the Brain*

<https://academicminute.org/2016/01/franco-pestilli-indiana-university-re-discovering-a-lost-part-of-the-brain>

<https://www.insidehighered.com/audio/2016/01/11/rediscovering-lost-part-brain>

2015

*Alzheimer's Disease and Aging (CTSI GLUE grant)*

<http://news.medicine.iu.edu/releases/2015/09/indiana-ctsi-glue-awards.shtml>

*A major human white matter pathway rediscovered*

<http://academicminute.org/2016/01/franco-pestilli-indiana-university-re-discovering-a-lost-part-of-the-brain/>

<http://news.indiana.edu/releases/iu/2015/09/lost-brain.shtml>

<http://www.theguardian.com/science/neurophilosophy/2014/nov/17/major-brain-pathway-rediscovered>

<http://news.stanford.edu/news/2014/november/mystery-brain-imaging-112014.html>

*White matter pathways dedicated to human face recognition*

<http://news.stanford.edu/news/2015/january/face-blind-brain-013015.html>

*Indiana University Faculty spotlight*

<http://inside.indiana.edu/spotlights-profiles/faculty-staff/2015-08-19-new-faculty.shtml>

2014

*Stanford University news: New technology to map the human connectome*

<http://news.stanford.edu/news/2014/september/brain-communicate-wandell-091014.html>

<http://medicalxpress.com/news/2014-09-scientists-white-human-brain.html>

<http://neurosciencenews.com/white-matter-brain-mapping-technology-1316>

## References

Olaf Sporns,	Indiana University,	+1 (812) 855-2772,	osporns@indiana.edu
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Linda Smith,	-	+1 (812) 855-6052,	smith4@indiana.edu
Jason Gold,	-	+1 (812) 855-4635,	jgold@indiana.edu
Robert Goldstone,	-	+1 (812) 855-4853,	rgoldsto@indiana.edu
Katy Börner,	-	+1 (812) 855-3256,	katy@indiana.edu
Craig Stewart,	-	+1 (812) 829-4185,	stewart@iu.edu
Aina Puce,	-	+1 (812) 856-0417,	ainapuce@indiana.edu
Brian Wandell,	Stanford University,	+1 (650) 725 2466,	wandell@stanford.edu
Justin Gardner,	-	+1 (650) 725-2417,	jlg@stanford.edu
Kalanit Grill-Spector,	-	+1 (212) 998 7868,	kalanit@stanford.edu
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Michael Goldberg,	-	+1 (212) 543 6931, Ext. 301,	meg2008@columbia.edu
Marisa Carrasco,	New York University,	+1 (212) 998 3828,	marisa.carrasco@nyu.edu
David Heeger,	-	+1 (212) 998 7868,	david.heeger@nyu.edu
Anthony Movshon,	-	+1 (212) 998-7880,	movshon@nyu.edu

## Extra academic

2011-2014	Stanford University Alpine Club
2009-2010	Member, Columbia University Cycling Club
2001	Consultant ATEL, a boutique Information Technology consulting firm based in ITALY.
1994	Finalist Track and Field, European Team Championships, Warsaw, Poland (4 <sup>th</sup> position),
1991-1994	Gold Medalist Track & Field and Cross-country Nationals, ITALY.