

## **CURRICULUM VITAE**

### **Simon Hippenmeyer**

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Twitter: [@HippenmeyerLab](https://twitter.com/HippenmeyerLab)

#### **Current Position**

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07/2019- **Professor**; IST Austria, Klosterneuburg, Austria.

#### **Education and Research Experience**

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2012-2019 **Assistant Professor**; IST Austria, Klosterneuburg, Austria.  
2006-2012 **Postdoctoral Fellow** (EMBO, HFSP, SNSF); Dept. Biology, Stanford University, Palo Alto, USA. (Mentor: Prof. Liqun Luo).  
2004-2006 **Postdoctoral Associate** (bridging postdoc); Biozentrum, Dept. Cell Biology, University of Basel and FMI, Basel, Switzerland. (Mentor: Prof. Silvia Arber).  
2000-2004 **PhD in Neurobiology** (*summa cum laude*); Biozentrum, Dept. Cell Biology, University of Basel, Switzerland. (Supervision: Prof. Silvia Arber).  
1995-2000 **Diploma** (Molecular Biology/Biochemistry); Biozentrum, Dept. Biochemistry, University of Basel, Switzerland. (Supervision: Prof. Howard Riezman).

#### **Selected Honors, Prizes and Awards**

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2016 **ERC Consolidator Grant** (EU Horizon 2020)  
2014 **Golden Chalk Award** for best lecturer and teaching excellence, IST Austria  
2014 **HFSP Program Grant**  
2013 **Marie Curie Career Integration Grant** (EU FP7)  
2010 **Best poster price** at GRC Neural Development, Newport, USA  
2009-2011 **SNSF Fellowship** for Advanced Researchers  
2007-2009 **HFSP Long-Term Fellowship**  
2006-2007 **EMBO Long-Term Fellowship**  
2005 **Faculty of Natural Sciences Prize for best PhD thesis**, University of Basel.  
2005 **Edmond H. Fischer Prize**, Friedrich Miescher Institute, Basel, Switzerland

#### **Major External Third Party Funding**

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2020-2024 **Special Research Programme F78** (FWF), Co-PI, EUR 375'000/4'100'000  
2017-2022 **ERC Consolidator Grant**, Horizon 2020, PI, EUR 2'000'000  
2015-2018 **NÖ Forschung & Bildung n[f+b]**, Life Science Call 2013, PI, EUR 245'000  
2014-2017 **Human Frontiers Science Program** (HFSP) Program Grant, Co-PI (with Songhai Shi, Benjamin Simons and Kun Huang), USD 380'000/1'200'000  
2013-2017 **Marie Curie Career Integration Grant** (CIG), FP7, PI, EUR 100'000

## Professional and Editorial Service to the International Scientific Community

**Peer review** (currently~30 manuscripts and ~15 grant/fellowship applications per year)

Journals *Science, Cell, Neuron, Cell Reports, Developmental Cell, Nature Neuroscience, Nature Communications, Nature Methods, eLife, Journal of Cell Biology, PLoS Biology, PLoS Genetics, Current Opinion in Neurobiology, Development, BMC Biology, Frontiers in Cellular Neuroscience, Frontiers in Neural Circuits, Int. J. Dev. Neuroscience, Neural Development, Molecular Brain, JoVE, Journal of Neuroscience, Cerebral Cortex etc.*

Grants *ERC Starting/Advanced Grants, HFSP Program Grants, Alexander von Humboldt Foundation (Germany), Swiss National Science Foundation (Switzerland) ATIP-AVENIR (France), ANR (France), F.R.S.-FNRS (Belgium), FWO (Belgium), KU Leuven (Belgium), Croucher Foundation (Hong Kong), DFG Emmy Noether-Program (Germany), BBSRC (UK), etc.*

Conferences *ISSCR (International Society for Stem Cell Research), abstract reviewer for 2016 ISSCR Annual Meeting*

## Editorial/Board activities

Since 2019 Member of *Neural Development* Editorial Board  
Since 2019 Member of ANA (Austrian Neuroscience Association) Board  
Since 2019 Member of *Neuroscience Next (NNx)* Advisory Board  
Since 2018 Member of *Frontiers in Neuroscience* Editorial Board  
Since 2018 Member of *Life Science Alliance* Advisory Editorial Board  
Since 2017 Member of *Faculty of 1000Prime* (Neurodevelopment)

2012 Edited book: Nguyen, L. & Hippenmeyer, S. (Eds.) (2014). Cellular and Molecular Control of Neuronal Migration. *Advances in Experimental Medicine and Biology, Vol. 800; Springer Science+Business Media.*

## Selected conference and symposia organization

2020 **12<sup>th</sup> FENS Forum of Neuroscience** – (virtual symposium due to Covid-19)  
2019 **Symposium organizer/chair** at 16<sup>th</sup> ANA – 25<sup>th</sup> APHAR Meeting, Innsbruck, Austria  
2019 **Co-organizer**, *Circuits Development and Regeneration* Conference in Alicante with A. Chedotal, E. Herrera, R. Hindges, R. Klein, and G. Lopez-Bendito – [www.axon2019.com](http://www.axon2019.com)  
2019 **Symposium organizer/chair** at 21<sup>th</sup> *International Neuroscience Winter Conference*, Sölden, Austria  
2018 **Symposium organizer/chair** at 20<sup>th</sup> *International Neuroscience Winter Conference*, Sölden, Austria  
2017 **Host and co-organizer**, *Molecular Mechanisms of Neural Circuit Assembly* Conference at IST Austria with A. Chedotal, U. Drescher, L. Erskine, S. Guthrie, R. Hindges, R. Klein, and Rob Meijers – [www.ist.ac.at/AXON2017](http://www.ist.ac.at/AXON2017)  
**Symposium organizer/chair** at 19<sup>th</sup> *International Neuroscience Winter Conference*, Sölden, Austria  
2016 **Symposium organizer/chair** at 18<sup>th</sup> *International Neuroscience Winter Conference*, Sölden, Austria  
2015 **Host and co-organizer**, *Axon Guidance, Circuit Development and Regeneration* Conference at IST Austria with A. Chedotal, U. Drescher, L. Erskine, S. Guthrie, R. Hindges, and R. Klein – [www.ist.ac.at/AXON2015](http://www.ist.ac.at/AXON2015)

**Selected Invited International Conference Presentations & Seminars (since 2015)**

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- 2020 **50<sup>th</sup> SfN Annual Meeting Minisymposium** (*scheduled*)  
**GRC – Neural Development**; Newport, USA (*postponed to 2022 due to Covid-19*)  
**12<sup>th</sup> FENS Forum of Neuroscience**, Glasgow, UK (*virtual due to Covid-19*)
- 2019 **Vienna LifeTime Meeting on Single Cells**; Vienna, Austria  
**Monash University**; ARMI Seminar, Melbourne, Australia  
**Imperial College London**; LMS Seminar, London, UK  
**ISN-ASN 2019 Meeting**; Montreal, Canada.  
**Janelia Conference ‘High-Throughput Dense Reconstruction of Cell Lineages’**;  
Janelia Research Campus/HHMI, Ashburn, USA.  
**BonnBrain3 Meeting**; Bonn, Germany
- 2018 **6<sup>th</sup> Vienna Symposium on Next Generation Sequencing**; CeMM, Vienna, Austria  
**Cedars-Sinai Center for Neural Science and Medicine**; Los Angeles, USA  
**University of Southern California**; Keck School of Medicine, Los Angeles, USA  
**University of California at Davis**; iBIO Seminar Series, Davis, USA  
**Vollum Institute OHSU**; Portland, USA  
**CSHL Conference - Molecular Mechanisms of Neuronal Connectivity**; Cold Spring Harbor, NY, USA  
**22<sup>nd</sup> International Society of Developmental Neuroscience Meeting**, Nara, Japan  
**LS2 – Life Sciences Switzerland Annual Meeting**, Lausanne, Switzerland  
**Genomics and Systems Biology VIII**, NYU Abu Dhabi, United Arab Emirates
- 2017 **King’s College**, Dept. Developmental Neurobiology, London, UK  
**REDbrain – reverse engineering the developing brain**, Geneva, Switzerland  
**NeuroFrance 2017 Symposium – Molecular Control of Neocortical Histogenesis**,  
Bordeaux, France  
**SFB-655 Closing Symposium – Cells into Tissues**, Dresden, Germany  
**College de France**, Center for Interdisciplinary Research in Biology, Paris, France
- 2016 **Stanford University**, Department of Genetics, Palo Alto, USA  
**46<sup>th</sup> SfN Annual Meeting Minisymposium – Neural Stem Cells to Cerebral Cortex**,  
San Diego, USA  
**VIB Conference, The Brain Mosaic: Cellular Heterogeneity in the CNS**, Leuven, BE  
**GRC - Neural Development: From Stem Cells to Circuits**, Newport, USA  
**CSHL Conference – Glia in Health & Disease**, Cold Spring Harbor, USA  
**10<sup>th</sup> FENS Forum of Neuroscience Workshop**, Copenhagen, Denmark  
**GRC - Molecular and Cellular Neurobiology**, Hong Kong, China  
**EMBO Workshop – Mechanisms of Neuronal Remodelling**, Seeon, Germany
- 2015 **EMBO Workshop – Cortical Development in Health and Disease**, Rehovot, Israel  
**GRC - Glial Biology**, Ventura, USA

## **PUBLICATION LIST**

The most relevant publications are marked (●).

PubMed: <http://www.ncbi.nlm.nih.gov/pubmed/?term=Hippenmeyer+S>  
Google Scholar: <http://scholar.google.at/citations?user=DQKripgAAAAJ&hl=de>

### **Preprints submitted**

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- Contreras, X., Hansen, AH., Amberg, N., Andersen, L., Sonntag, H., Heger, A., Streicher, C., Schwarz, L., Johnson, RL., Luo, L., Ruelicke, T. & **Hippenmeyer, S.** (2020). A Genome-wide Library of MADM Mice for Single-Cell Genetic Mosaic Analysis. *bioRxiv 2020.06.05.136192*.  
  
Takeo, YH.\*, Shuster, SA.\*, Jiang, L., Hu, M., Luginbuhl, DJ., Rüllicke, T., Contreras, C., **Hippenmeyer, S.**, Wagner, MJ., Ganguli, S. & Luo, L. (2020). GluD2- and Cbln1-mediated Competitive Synaptogenesis Shapes the Dendritic Arbors of Cerebellar Purkinje Cells. (\*equal contribution). *bioRxiv 2020.06.14.151258*.  
  
Zhang, T., Liu, T., Mora, N., Guegan, J., Bertrand, M., Contreras, X., Hansen, AH., Streicher, C., Anderle, M., Tiberi, L., **Hippenmeyer, S.** & Hassan, B. Generation of Neuronal Diversity from Common Progenitors via Notch Signaling in the Cerebellum. *bioRxiv 2020.03.18.997205*

### **Original Peer-Reviewed Research Articles published or in press**

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- Laukoter, S.\*, Pauler, FM.\*, Beattie, R., Amberg, N., Hansen, AH., Streicher, C., Penz, T., Bock, C. & **Hippenmeyer, S.** (2020). Cell-Type Specificity of Genomic Imprinting in Cerebral Cortex. (\*equal contribution). *Neuron, in press*.  
  
Beattie, R., Streicher, C., Amberg, N., Cheung, G., Contreras, X., Hansen, AH. & **Hippenmeyer, S.** (2020). Lineage Tracing and Clonal Analysis in Developing Cerebral Cortex using Mosaic Analysis with Double Markers (MADM). *JoVE, 159:e61147*  
  
Moon, HM., **Hippenmeyer, S.**, Luo, L. & Wynshaw-Boris, A. (2020) LIS1 Determines Cleavage Plane Positioning by Regulating Actomyosin-mediated Cell Membrane Contractility. *eLife, e51512*.
- Laukoter, S.\*, Beattie, R.\*, Pauler, FM.\*, Nakayama, KI. & **Hippenmeyer, S.** (2020). Imprinted *Cdkn1c* Genomic Locus Cell-autonomously Promotes Cell Survival in Cerebral Cortex Development. (\*equal contribution). *Nature Communications, 11:195*.  
  
Llorca, A.\*, Ciceri, G\*., Beattie, R., Wong, FK., Diana, G., Serafeimidou-Pouliou, E., Fernandez-Otero, M., Streicher, C., Arnold, SJ., Meyer, M., **Hippenmeyer, S.**, Maravall, M. & Marin, O. (2019). A Stochastic Framework of Neurogenesis Underlies the Assembly of Neocortical Cytoarchitecture. (\*equal contribution). *eLife, e51381*.  
*Evaluated by F1000. <https://f1000.com/prime/736929171>*  
  
Picco, N., **Hippenmeyer, S.**, Woolley, TE., Rodarte, J., Streicher, C., Molnar, Z. & Maini, PK. (2019). A Mathematical Insight into Cell Labeling Experiments for Clonal Analysis. *Journal of Anatomy, 235(3):687-696*.  
  
Telley, L.\*, Agirman, G.\*, Prados, J., Amberg, N., Fievre, S., Oberst, P., Bartolini, G., Vitali, I., Cadilhac, C., **Hippenmeyer, S.**, Nguyen, L., Dayer, A. & Jabaudon, D. (2019).

Temporal Patterning of Apical Progenitors and their Daughter Neurons in the Developing Neocortex. (\*equal contribution). **Science**, 364(6440).

*Evaluated by F1000. <https://f1000.com/prime/735732706>*

Ortiz Alvarez, G.\*, Daclin, M.\*, Shihavuddin, A., Lansade, P., Fortoul, A., Faucourt, M., Clavreul, S., Taraviras, S., **Hippenmeyer, S.**, Livet, J., Meunier, A., Genovesio, A. & Spassky, N. (2019). Adult Neural Stem Cells and Multiciliated Ependymal Cells Share a Common Lineage Regulated by the Geminin Family Members. (\*equal contribution). **Neuron**, 102(1):159-172.e7.

Henderson, N.\*, Le Marchand, S.J.\*, Hruska, M., **Hippenmeyer, S.**, Luo, L. & Dalva, MB. (2019). Ephrin-B3 Controls Excitatory Synapse Density through Cell-Cell Competition for EphBs. (\*equal contribution). **eLife**, e41563.

- Beattie, R., Postiglione, MP., Burnett, LE., Laukoter, S., Streicher, C., Pauler, FM., Xiao, G., Klezovitch, O., Vasioukhin, V. Ghashghaei HT & **Hippenmeyer, S.** (2017). Mosaic Analysis with Double Markers Reveals Distinct Sequential Functions of *Lgl1* in Neural Stem Cells. **Neuron**, 94(3):517-533.e3.

*Highlighted in two previews: Akhtar et al., 2017 Neuron 94(3):417-420; and Sokol, 2017 Dev Cell 41(5):453-454.*

Riccio, P., Cebrian C., Zong, H., **Hippenmeyer, S.** & Costantini, F. (2016). *Ret* and *Etv4* Promote Directed Movements of Ureteric Bud Tip Progenitor Cells During Branching Morphogenesis. **PLoS Biology**, 14(2):e1002382.

Mayer, C., Jaglin, XH., Cobbs, LV., Bandler, RC., Streicher, C., Cepko, CL., **Hippenmeyer, S.** & Fishell, G. (2015). Clonally Related Forebrain Interneurons Disperse Broadly Across Both Functional Areas and Structural Boundaries. **Neuron**, 87(5):989-998.

*Evaluated by F1000. <https://f1000.com/prime/725736366>*

- Gao, P.\*, Postiglione, MP.\*, Krieger, TG., Hernandez, L., Wang, C., Han, Z., Streicher, C., Papisheva, E., Insolera, R., Chugh, K., Kodish, O., Huang, K., Simons, BD., Luo, L., **Hippenmeyer, S.**<sup>#</sup> & Shi, SH.<sup>#</sup> (2014). Deterministic Progenitor Behavior and Unitary Production of Neurons in the Neocortex. (\*<sup>+</sup>equal contribution, #corresponding senior author). **Cell**, 159(4):775-788.

*Evaluated by F1000. <https://f1000.com/prime/725245303>*

Joo, W., **Hippenmeyer, S.** & Luo, L. (2014). Dendrite Morphogenesis Depends on Relative Levels of NT-3/TrkC Signaling. **Science**, 346(6209):626-629.

Ali, SR., **Hippenmeyer, S.**, Saadat, LV., Luo, L., Weissman, IL. & Ardehali, R. (2014). Existing Cardiomyocytes Generate Cardiomyocytes after Birth in Mice and at Low Rate. **Proceedings of the National Academy of Sciences of the United States of America**, 111(24):8850-8855.

Zhu, F., Gamboa, M., Farruggio, AP., **Hippenmeyer, S.**, Tasic, B., Schüle, B., Chen-Tsai, Y. & Calos, M. (2014). DICE, an Efficient System for Iterative Genomic Editing in Human Pluripotent Stem Cells. **Nucleic Acids Research**, 42(5):e34.

- **Hippenmeyer, S.**\*, Johnson, RL. & Luo, L.\* (2013). Mosaic Analysis with Double Markers Reveals Cell Type Specific Paternal Dominance. (\*corresponding author). **Cell Reports**, 3:960-967.

*Featured video abstract on YouTube (<http://www.youtube.com/watch?v=jLxjnQ05mbY>).*

Liang, H., Xiao, G., Yin, H., **Hippenmeyer, S.**, Horowitz, JM. & Ghashghaei, HT. (2013). Neural Development is Dependent on the Function of Specificity Protein 2 in Cell Cycle Progression. *Development*, 140: 552-561.

Liang, H., **Hippenmeyer, S.**, & Ghashghaei, HT. (2012). A *Nestin-Cre* Transgenic Mouse is Insufficient for Recombination in Early Neural Progenitors. *Biology Open*, 1(12): 1200-3.

Tasic, B.\*, Miyamichi, K.\*, **Hippenmeyer, S.\***, Dani, VS., Zeng, H., Joo, W., Zong, H., Chen-Tsai, Y. & Luo, L. (2012). Extensions of MADM (Mosaic Analysis with Double Markers) in mice. (\*equal contribution). *PLoS ONE*, 7(3): e33332.

Liu, C., Sage, JC.\*, Miller, MR.\*, Verhaak, RGW.\*, **Hippenmeyer, S.**, Vogel, H., Foreman, O., Bronson, RT., Nishiyama, A., Luo, L. & Zong, H. (2011). Mosaic Analysis with Double Markers Reveals Tumor Cell of Origin in Glioma. (\*equal contribution). *Cell*, 146 (2): 209-21.

*Evaluated by Faculty of 1000: <http://f1000.com/13339991>.*

Tasic, B., **Hippenmeyer, S.**, Wang, C., Zong, H., Chen-Tsai, Y. & Luo, L. (2011). Site-Specific Integrase-Mediated Transgenesis in Mice via Pronuclear Injection. *Proceedings of the National Academy of Sciences of the United States of America* 108 (19): 7902-7.

*Evaluated by Faculty of 1000: <http://f1000.com/10361956>.*

- **Hippenmeyer, S.\***, Youn, YH., Moon, HM., Miyamichi, K., Zong, H., Wynshaw-Boris, A. & Luo, L.\* (2010). Genetic Mosaic Dissection of *Lis1* and *Ndel1* in Neuronal Migration. (\*corresponding author). *Neuron* 68 (4):695-709.

*Evaluated by Faculty of 1000: <http://f1000.com/6538956>.*

**Hippenmeyer, S.\***, Huber, RM.\*, Ladle, DR., Murphy, K. & Arber S. (2007). ETS Transcription Factor *Erm* Controls Subsynaptic Gene Expression in Skeletal Muscles. (\*equal contribution). *Neuron* 55(5): 726-40.

*Evaluated by Faculty of 1000: <http://f1000.com/1092820>.*

**Hippenmeyer, S.**, Vrieseling, V., Sigrist, M., Portmann, T., Laengle, C., Ladle, DR. & Arber, S. (2005). A Developmental Switch in the Response of DRG Neurons to ETS Transcription Factor Signaling. *PLoS Biology* 3(5): e159.

Rodal, AA.\*, Sokolova, O.\*, Robins, DB., Daugherty, KM., **Hippenmeyer, S.**, Riezman, H., Grigorieff, N. & Goode, BL. (2005). Conformational Changes in the Arp2/3 Complex Leading to Actin Nucleation. (\*equal contribution). *Nature Structural & Molecular Biology* 12(1): 26-31.

*Featured Cover story with accompanying editorial comment.*

**Hippenmeyer, S.**, Shneider, NA., Birchmeier, C., Burden, SJ., Jessell, TM. & Arber, S. (2002). A Role for *Neuregulin1* Signaling in Muscle Spindle Differentiation. *Neuron* 36(6): 1035-49.

## Peer Reviewed Review/Perspective Articles

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Beattie, R.\*, **Hippenmeyer, S.** & Pauler, FM.\* (2020). SCOPES: Sparking Curiosity Through Open-Source Platforms in Education and Science. (\*equal contribution). *Frontiers Education, STEM Education*, 5:48.

Amberg, N.\*, Laukoter, S.\* & **Hippenmeyer, S.** (2019). Epigenetic Cues Modulating the Generation of Cell-Type Diversity in Cerebral Cortex. (\*equal contribution). **Journal of Neurochemistry**, 149(1):12-26.

Beattie, R. & **Hippenmeyer, S.** (2017). Mechanisms of Radial Glia Progenitor Cell Lineage Progression. **FEBS Letters**, 591(24):3993-4008.

Hansen, AH.\*, Düllberg, C.\*, Mieck, C.\*, Loose, M. & **Hippenmeyer, S.** (2017). Cell Polarity in Cerebral Cortex Development – Cellular Architecture Shaped by Biochemical Networks. (\*equal contribution). **Frontiers in Cellular Neuroscience**, 11:176.

Dwyer, ND., Chen, B., Chou, S.J., **Hippenmeyer, S.**, Nguyen, L. & Ghashghaei, HT. (2016) Neural Stem Cells to Cerebral Cortex: Emerging Mechanisms Regulating Progenitor Behavior and Productivity. **Journal of Neuroscience**, 36(45):11394-11401. *Invited SfN Annual Meeting minireview accompanying minisymposium.*

Postiglione, MP. & **Hippenmeyer, S.** (2014). Monitoring Neurogenesis in Cerebral Cortex – an Update. **Future Neurology**, 9(3):323-340.

**Hippenmeyer, S.** (2013). Dissection of Gene Function at Clonal Level using Mosaic Analysis with Double Markers. **Frontiers in Biology**, 8(6): 557-568. *Featured cover story (<http://link.springer.com/journal/11515/8/6/page/1>).*

**Hippenmeyer, S.\***, Kramer, I.\* & Arber, S. (2004) Control of Neuronal Phenotype: What Targets Tell the Cell Bodies. (\*equal contribution). **Trends in Neurosciences** 27(8): 482-8.

Chen, HH., **Hippenmeyer, S.**, Arber, S. & Frank, E. (2003). Development of the Monosynaptic Stretch Reflex Circuit. **Current Opinion in Neurobiology** 13(1): 96-102.

## Other Peer-Reviewed Publications

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### Books and Editorships

Nguyen, L. & **Hippenmeyer, S.** (Eds.) (2014). Cellular and Molecular Control of Neuronal Migration. **Advances in Experimental Medicine and Biology**, Vol. 800; ISBN 978-94-007-7686-9. Springer Science+Business Media.

### Book Chapters and Online Publications

**Hippenmeyer, S.** (2014). Molecular Pathways Controlling the Sequential Steps of Cortical Neuron Migration. *Book chapter for 'Cellular and Molecular Control of Neuronal Migration' in **Advances in Experimental Medicine and Biology** (Editors: L. Nguyen and S. Hippenmeyer), Vol. 800:1-24. Springer Science+Business Media.*

## Invited Commentaries

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Contreras, X. & **Hippenmeyer, S.** (2019). *Memo1* Tiles the Radial Glial Cell Grid. **Neuron**, 103(5):750-752.

Contreras, X. & **Hippenmeyer, S.** (2018). Incorrect Trafficking Route Leads to Autism. **Brain**, 141(9):2542-2544.

Moore, T., Chestek, D., Polley, A., Chen, S., **Hippenmeyer, S.** & Anikeeva, P. (2018). Visions for the Future of Neuroscience. *Neuron*, 98(3):464-465.

## Patents

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**US Patent 9932607** (14/539'909) - *Site-Specific Integration of Transgenes into Human Cells* (2018)

**US Patent 9125385** (13/293'890) - *Site-directed Integration of Transgenes in Mammals* (2015)

## Teaching Activities at IST Austria Graduate School

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- 2019/20      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 14/24 classes, Instructor overall score 4.73, scale 1-5 best)
- 2018/19      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 14/24 classes, Instructor overall score 4.25, scale 1-5 best)
- 2017/18      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 14/24 classes, Instructor overall score 4.27, scale 1-5 best)
- 2016/17      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 14/24 classes, Instructor overall score 4.92, scale 1-5 best)
- 2015/16      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 16/24 classes, Instructor overall score 4.73, scale 1-5 best)  
**NeuroCore Module 'Principles of Neuronal Circuit Assembly'**, 6 ECTS  
(with P. Jonas, G. Novarino and J. Csicsvari, 6/24 classes)  
**IST Scientist Career Development Program**, Trainer (with C. Lampert and D. Klammer) in hands on workshop session '*Applying for Faculty Positions*'.
- 2014/15      **Developmental Neuroscience and Brain Diseases**, 6 ECTS  
(with G. Novarino, 16/24 classes, Instructor overall score 4.88, scale 1-5 best)  
**Shapes and Patterns Core Course**, guest lecture, 6 ECTS
- 2013/14      **Principles of Neuronal Circuit Assembly**, 3 ECTS (13/13 classes, Instructor overall score 4.59, scale 1-5 best; recognized by *Golden Chalk Award*)  
**Introduction to Neuroscience I**, 3 ECTS (with P. Jonas, J. Csicsvari, R. Shigemoto, G. Novarino)  
**Graduate Course on Interneurons**, guest lecture, at Karolinska Institutet, Stockholm, Sweden  
**CUSO Staromics PhD-Program Workshop**, guest lecture, at University of Fribourg, Switzerland
- 2012/13      **Introduction to Neuroscience I**, 3 ECTS (with J. Csicsvari, G. Tkacik, A. Schlögl)



**Supervision of Laboratory Trainees, Graduate Students, Postdocs, and Technicians****Current group**

- Since 2020 **Ines Aykara** (Intern; BSc)  
 Since 2020 **Oswaldo Miranda** (PhD student, BSc)  
 Since 2019 **Natalie Ozgen-Gutmann** (Intern; MSc)  
 Since 2018 **Melissa Stouffer** (Postdoc; PhD, NYU; supported by *ISTplus Fellowship*)  
 Since 2018 **Giselle Cheung Johnson** (Postdoc; PhD, University of Berlin; supported by *ISTplus Fellowship*)  
 Since 2016 **Nicole Amberg** (Postdoc; PhD, University of Vienna; supported by *FWF Hertha-Firnberg Fellowship*)  
 Since 2016 **Florian Pauler** (Bioinformatics expert, PhD, University of Vienna)  
 Since 2015 **Andi Harley Hansen** (PhD student, supported by *ÖAW DOC Fellowship*)  
 Since 2015 **Robert Beattie** (Postdoc; PhD, University of Sheffield; supported by *FWF Lise-Meitner Fellowship*)  
 Since 2014 **Johanna Sonntag** (Technician, MSc) – *on maternity leave*  
 Since 2013 **Carmen Streicher** (Laboratory Manager and Technician, MSc)  
 Since 2013 **Susanne Laukoter** (PhD student, MSc) - *PhD thesis successfully defended in September 2018; currently bridging postdoc in our group*

**Alumni****Postdocs**

- 2012-2015 Maria Pia Postiglione (PhD, University Federico II of Naples; currently senior scientist at AstraZeneca, Sweden)  
 2012-2014 Gloria Arque (PhD, University of Barcelona; currently Freelance Medical Writer)

**PhD Students**

- 2017-2020 Ximena Contreras (PhD student, BSc) - PhD thesis successfully defended in May 2020; on leave to take on job in industry)  
 2013-2015 Justine Renno (MSc, left PhD program for treatment of medical condition; currently starting own company)

**ISTerns (supported with fellowship)**

- 2019 Nawon Kim (BSc student enrolled at Yonsei University, South Korea)  
 2018 Jonas Rybnicek (BSc student enrolled at University of Dundee, UK)  
 2017 Lena Schwarz (BSc; currently enrolled in PhD program at IST Austria)  
 2016 Laura Burnett (MSc; currently enrolled in PhD program at IST Austria)  
 2014 Priscila Hirschfeld (IST Graduate School, currently looking for PhD position)  
 2013 Siegfried Resch (MSc at EPFL in Lausanne)  
 Melanie Pieber (MSc at Charite in Berlin; currently PhD student at Karolinska Institutet, Stockholm, Sweden)

**Regular student Interns**

- 2018-2019 Amarbayasgalan Davaatseren (BSc, carried out MSc thesis in the lab)  
 2017-2018 Olivia Slepecka (BSc, carried out MSc thesis in the lab)  
 2017 Cerag Aysan Yahya (MSc, currently enrolled in PhD program at IST Austria)  
 2015-2016 Julio Rodarte (MD, currently residency at medical school Houston, USA)

2015	Andi Harley Hansen (MSc, currently enrolled in PhD program at IST Austria) Theresa König (BSc, enrolled in MSc program at University of Vienna)
2014-2015	Elaine Fisher (BSc, currently enrolled in PhD program at Harvard University)
2014	Tajamul Hussain (MSc, currently looking for PhD position) Martin Frank (MSc, currently enrolled as PhD student at TU Vienna)
2012-2013	Katharina Leopold (MSc, currently working in pharmaceutical industry)

### Technicians

2019-2020	Amarbayasgalan Davaatseren (MSc, currently technician at IMBA, Vienna)
2016-2017	Julio Rodarte (MD, currently residency at medical school Houston, USA)
2015	Christoph Dotter (MSc, currently enrolled in PhD program at IST Austria)
2012-2013	Susanne Laukoter (MSc, currently enrolled in PhD program at IST Austria)

### Rotation students in IST Austria Graduate Program

2019/20	Oswaldo Miranda, Florian Schmidt
2018/19	Lena Schwarz, Lisa Knaus, Stefanie Rus
2017/18	Mojtaba Tavakoli, Cerag Aysan Yahya, Jing Jing Chen, Julia Michalska, Roshan Satapathy, Kasumi Kishi
2016/17	Laura Boccanegra, Laura Burnett, Rachele Danti
2015/16	Jasmin Morandell, Andi Harley Hansen
2014/15	Kresimir Ferencak, Julio Rodarte
2013/14	Susanne Laukoter, Cornelia Schwyer, Justine Renno, Claudia Igler, Ximena Contreras, Karola Käfer, Eva Reichhart
2012/13	Katharina Hribikova, Konstanze Simbriger

### (Co-)Supervision of IST students

#### Thesis committee, qualifying exam and (co-)supervision

Susanne Laukoter (Hippenmeyer lab), Justine Renno (Hippenmeyer lab), Andi Harley Hansen (Hippenmeyer lab), Ximena Contreras (Hippenmeyer lab), Catherine McKenzie (Janovjak lab); Damaris Rangel Guerrero (Csicsvari lab), Saren Tasciyan (Sixt lab), Katarzyna Kuzmicz (Kicheva lab), Frank Assen (Sixt lab), Rachele Danti (Novarino lab), Jasmin Morandell (Novarino lab).

#### Qualifying exam chair

Alexander Leithner (Sixt lab), Katharina Hribikova (Siekhaus lab), Chaitanya Paranjape (Hof lab), Zuzana Masarova (Wagner/Edelsbrunner groups), Dominik Forkert (Maas group)

#### Thesis defense chair

Sebastian Novak (Barton group), Alexander Leithner (Sixt lab)

### External membership in exam and thesis committees

#### PhD thesis/exam committee

Dominik Lindenhofer (PhD student in Knoblich group at IMBA), Magdalena Renner (PhD student in Knoblich group at IMBA), June Sin Man Au (PhD student in Knoblich group at IMBA), Nuo Yu (PhD student in Keays group at IMP), Marko Repic (PhD student in Knoblich group at IMBA), Tomasz Kulinski (PhD student was in Barlow group at CeMM), Alexander Philipps (PhD student in Keays group at IMP), Rut Gabarro (PhD student in Urban group at IMBA), Patrick Heisterkamp (PhD student in Keays group at IMP)

Master thesis/exam committee

Amarbayasgalan Davaatseren (MSc student in Hippenmeyer lab, enrolled at FH Campus Wien University of Applied Sciences)

Olivia Slepecka (MSc student in Hippenmeyer lab, enrolled at University of Vienna)

Diploma thesis/exam committee

Katharina Leopold (Diploma student in Hippenmeyer lab, enrolled at University of Vienna)

**Institutional Responsibilities and Internal Service at IST Austria**

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Since 2020 Life Sciences Research Area Chair, IST Austria  
2014-2019 Head of Scientific Service Unit *PCF (Preclinical/Animal Facility)*  
Since 2014 Member, Postdoc Mentoring Program  
Since 2012 Member, Graduate Student Selection Committee  
Since 2012 Member, Faculty Search Committee  
2017 Member, Staff Scientist Search Committee (Image Analysis)  
2014 Member, IST Graduate School Task Force  
2013/2017 Member, Internal Awards Committee  
2013 Member, ISTernship Selection Committee  
2012-2015 Member, ISTFELLOW Selection Committee

**Selected Outreach Activities and Media Presence**

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**Outreach highlights**

**State of Mind 2019** - <http://info.cell.com/the-state-of-the-mind-2019>

**Wissensdurst 2019** - <https://www.aera.at/events/details/wissensdurst-festival-2019-wunderbare-denkmaschinen-2/>

**Science goes School 2017 - 2019** – Initiative by n[f+b] NÖ Forschung & Bildung. Lectures at selected high schools (each up to 150 students) throughout Lower Austria.

**Family lecture (2015)/lab tours** at annual *Open Campus Days* at IST Austria.

**Lab tours** for academic visitors, legislators (national and international) and representatives of industry (5-10/year), for general public and high school classes.

**Media coverage featuring our science (highlights)**

**Science Daily**, January 10, 2020 ,New function for potential tumor suppressor in brain development'

**Wiener Zeitung**, May 9, 2019 'Wie Stammzellen ein Gehirn bauen'

**CORDIS, EC**, January 22, 2018 ,MOMECODE' – 'Result in Brief'

**Die Presse**, May 6, 2017 'Dirigent und Solist in der Gehirnentwicklung'

**Der Standard**, May 4, 2017 ,Gen Lgl1 spielt entscheidende Rolle bei Entwicklung von Gehirnzellen'

**Science Daily**, May 3, 2017 ,How neurons and glia are created in the developing brain'

- Stem Cells Daily**, May 3, 2017 *'Exactly how neurons and glia cells are created in the developing mind'*
- Wiener Zeitung**, May 3, 2017 *'Dirigent und Solist bei der Entwicklung von Gehirnzellen'*
- Der Standard**, Jan. 18, 2015 *‚Das Denken ist noch eine Black Box‘*
- Der Standard**, Nov. 6, 2014 *'Forscher beobachten Entwicklungsprozess von Gehirnzellen'*
- Die Presse**, Oct. 30, 2014 *‚Gehirnzellen erkennen wie es den Nachbarn geht‘‘*