Curriculum Vitæ

DR. HERNÁN LÓPEZ-SCHIER

Director of Research Unit, Helmholtz Zentrum München
Ingolstädter Landstrasse 1, 85764 Munich, Germany

PERSONAL STATEMENT

The overarching aim of my research program is to understand the organizing principles of multicellular structures. My group approaches this problem using high-resolution live-cell imaging, genetic and physical manipulations, cellular optogenetics, single-cell technology and computational methods. We have uncovered critical cellular events and transcriptional control principles that regulate the architectural and functional organization of sensory organs, organ responses to injury, organ regeneration as well as how mechanosensation governs animal behaviour.

PH.D.

1997-2001	University of Cambridge, Department of Genetics, Wellcome Gurdon Institute; U.K.

PROFESSIONAL EXPERIENCE

2020-present	Member of the Scientific Advisory Board, Sensorion Pharma; France
2019-2021	Visiting Professor, MCB Harvard University; U.S.A.
2014	Visiting Scientist, Janelia Research Campus / HHMI; U.S.A.
2012-present	Director of Research Unit, HelmholtzZentrum München; Germany
2011-2012	Tenured Group Leader, C. de Regulació Genòmica, Barcelona; Spain
2006-2011	Tenure-track Group Leader, Centre de Regulació Genòmica, Spain
2002-2006	Postdoctoral research, Laboratory of Sensory Neuroscience, The Rockefeller University, NY; U.S.A. Advisor: Dr. A. James Hudspeth
1997-2002	Postgraduate research, Wellcome/CR-UK Gurdon Institute, University of Cambridge; U.K. Advisor: Dr. Daniel St Johnston
1996	Guest student, Laboratory of Developmental Genetics, The Rockefeller University; U.S.A. Advisor: Dr. Claude Desplan
1992-1995	IT consultant, F-Hoffmann-La Roche, Buenos Aires; Argentina

AWARDS

2011	Certification I3 for outstanding research, Ministry of Science, Spain
2009	Emerging Research Group Award (GRE), AGAUR, Spain
2008-2013	1st European Research Council Starting Grant (ERC-StG), EU
2006-2011	Ramón y Cajal Fellowship, Ministry of Science and Innovation, Spain
2005	Keystone Symposia Traveling Fellowship
2004-2007	Life Sciences Research Foundation (LSRF) Fellowship, U.S.A.
2002-2004	Wellcome Trust International Travelling Research Fellowship, U.K.

TEACHING, MENTORING AND TRAINING

2020-present	Member of the Professional Development Committee, SfN, U.S.A.
2020-2022	Lecturer, LMU School of Quantitative Biology, Munich; Germany
2013-2022	Associate Faculty, LMU School of Neuroscience, Munich; Germany
2013-2018	Supervisor of 4 AMGEN Scholars, Munich; Germany
2012-2020	Instructor, Master programme, Technical Univ. Munich, Germany
2009-2011	Instructor, Masters program on Model Organisms, U Barcelona, Spain
2008	Instructor, Seminars in Biomedical Research, UPF; Barcelona, Spain
2008	Instructor, Master/PhD programme, Hubrecht Institute, Netherlands
2007-2010	Supervisor of summer research for high-school students; Spain

ORGANIZATION OF SCIENTIFIC MEETINGS

2021 Organizer "Quantitative Cell Biology and Bioengineering Conference", *(virtual)*
2016 Co-Organizer, "Geneva Physics of Biology Meeting"; Geneve, Switzerland
2014 Co-Organizer, EMBO Workshop "Decoding Neural Circuit Structure"; Turkey
2014 Organizer, Symposium "Physics of Biological Systems", Munich; Germany
2014 Co-Organizer, Symposium "Visualization and Manipulation of Signals and Forces in Developing Tissues", Santiago; Chile
2013 Co-Organizer, "Computational Networks, Cells and Tissues"; Spain
2012 Co-Organizer, Workshop "Mechanics of Tissues", Ljubljana, Slovenia
2012 Organizer, "1st QuanTissue Symposium", Barcelona; Spain
2011 Organizer, Symposium "Frontiers in Biology", Barcelona; Spain
2009 Co-Organizer, Current Trends in Biomedicine Workshop: "Mechanisms of Organ Regeneration in Model Systems", UNIA, Baeza; Spain

COMMUNITY SERVICE AND MEMBERSHIPS

2022-present	Member of the Project Evaluation Committee, EMBL Imaging Centre
2020-present	Member of the Editorial Board, Molec. & Cell. Neuroscience (Elsevier)
2020-present	Member of the Editorial Board, Cell Regeneration (Springer)
2019-present	Partner, Single Cell Omics Network; Germany
2016-present	Member of the Scientific Review Panel, Euro-BioImaging, E.U.
2013-present	Associate Member, Latin American Zebrafish Network
2011-2014	Chairperson, European Science Foundation: ESF-RNP "QuanTissue"
2009-2013	Member of the European Research Council Peer Review Group, E.U.
2006-2012	Member of 13 PhD-thesis evaluation panels
2009-2012	Committee member, COST Action "EuFishBioMed", E.U.

REVIEWS AND EVALUATIONS

- European Research Council Executive Agency, ERC Grants, E.U.
- Association Française Contre les Myopathies, France
- Agence National de la Recherche, France
- Erwin Schrödinger Programme - Austrian Science Fund, Austria
- Fundação para a Ciência e la Tecnologia, Portugal
- K.U. Leuven Research Council, Belgium
- Wellcome Trust, U.K.
- Biotechnology and Biological Sciences Research Council, U.K.

- ANEP - Ministerio de Ciencia e Innovación, Spain
- Consejería de Innovación, Ciencia y Empresa - Junta de Andalucía, Spain
- Ministerio de Ciencia e Innovación Productiva, Argentina
- Faculty Search Committee, CRG Barcelona, Spain
- Faculty Search Committee, New York University Abu Dhabi, U.A.E.
- Faculty Promotions Committee, New York University, U.S.A.
- Faculty Promotions Committee, University of Cambridge, U.K.
- Faculty Promotions Committee, Univ. of Virginia School of Medicine, U.S.A.
- PhD Thesis Jury: University Pompeu Fabra, Spain; University of Barcelona, Spain; Ludwig-Maximilians-Universität München, Germany; Champalimaud Center for the Unknown, Portugal; École Normale Supérieure, France

COMPLETE LIST OF PUBLICATIONS

POST-GRADUATE STUDENT

1. **López-Schier, H.** and St Johnston, D. "Delta signaling from the germ line controls proliferation and differentiation of the somatic follicle cells during *Drosophila* oogenesis" *Genes & Development* 15: 1393-1405, 2001
2. Bolívar, J., Huynh, **López-Schier,** González, St Johnston, González-Reyes, A. "Centrosome migration into the *Drosophila* oocyte is independent of *BicD*, *egl* and of the organization of the microtubule cytoskeleton"*Development* 128:1889-1891, 2001
3. **López-Schier, H.** and St Johnston, D. "*Drosophila* Nicastrin is essential for the intramembranous cleavage of Notch" *Developmental Cell* 2(1): 79-89, 2002
4. Januschke, J., Gervais, L., Dass, S., Kaltschmidt, J., **López-Schier, H.**, St Johnston, D., Brand, A., Roth, S., and Guichet, A. "Polar transport in the *Drosophila* oocyte requires Dynein and Kinesin I cooperation "*Curr. Biology* 12 (23): 1971-81, 2002
5. Torres, I.L., **López-Schier, H.**, and St Johnston, D. "A Notch/Delta-dependent relay mechanism establishes anterior-posterior polarity in *Drosophila*" *Developmental Cell* 5(4): 547-58, 2003
6. Desbordes, S. and **López-Schier, H.** "*Drosophila* patterning: Delta-Notch interactions" *Encyclopedia of Life Sciences (ELS),* 2003
7. **López-Schier.** "Polarisation of the anteroposterior axis in *Drosophila*" *BioEssays* 2003

POSTDOCTORAL FELLOW

8. **López-Schier, H.**, Starr, C., Kappler, J.A., Kollmar, R. and Hudspeth, A.J. "Directional cell migration establishes the axes of planar polarity in the posterior lateral-line organ of the zebrafish" *Developmental Cell* 7: 401–412, 2004
9. **López-Schier, H.** "Regeneration: Did you hear the news?" *Curr. Biol.* 14: 127-8, 2004
10. McDermott Jr., B. M. and **López-Schier, H.** "Inner ear: Ca^{2+}n you feel the noise?" *Current Biology*, (6): 231-232, 2004
11. **López-Schier, H.** and Hudspeth, A.J. "Supernumerary neuromasts in the posterior lateral line of zebrafish lacking peripheral glia" *P.N.A.S.* 102(5): 1496, 2005
12. **López-Schier, H.** and Hudspeth, A.J. "A two-step mechanism underlies the planar polarization of regenerating sensory hair cells" *P.N.A.S.* 103(49): 18615-18620, 2006

GROUP LEADER

13. Gleason, M.R., Nagiel, A., Jamet, S., Vologodskaia, **López-Schier, H.**, and Hudspeth, A.J. "The transmembrane inner ear (Tmie) protein is essential for normal hearing and balance in the zebrafish" *P.N.A.S.* 106(50): 21347-21352, 2009

14. Buschbeck, M. () **López-Schier** and Di Croce, L. The histone variant mH2A is an epigenetic regulator of key developmental genes" *Nat. Struct. Mol. Biol.* 16:1074, 2009
15. Faucherre, A., Pujol-Martí, Kawakami, K., **López-Schier, H.** "Afferent neurons of the zebrafish LL are strict selectors of hair-cell orientation" *PLoS ONE* 4, 2009
16. Fröhlicher, M., Liedtke, A., Groh, K., **López-Schier, H.,** Neuhauss, S., Segner, H., and Eggen, R. "Estrogen receptor subtype beta2 is involved in neuromast development in zebrafish (*D. rerio*) larvae" *Developmental Biology* 330 (1): 32-43, 2009
17. Pujol-Martí, J. Baudoin, J-P., Faucherre, A., Kawakami, K., and **López-Schier, H.** "Progressive neurogenesis defines lateralis somatotopy" *Dev. Dyn.* 239(7): 1919, 2010
18. Faucherre, A., Baudoin, J-P., Pujol-Martí, J. and **López-Schier, H.** "Multispectral four-dimensional imaging reveals () by sensory neurons" *Development* 137: 1635, 2010
19. Cobreros-Reguera, L., Fernández-Miñán, A., **López-Schier, H.**, González-Reyes, and Martín-Bermudo, M.D. "The Ste20 kinase Misshapen is essential for invasive behaviour of ovarian epithelial cells in *Drosophila*" *EMBO Reports* 11(12):943-9, 2010
20. **López-Schier.** "Fly fishing for collective cell migration" *Curr. Opin. Genet. Dev*. 2010
21. Swoger, J., Muzzopappa, **López-Schier, H.** and Sharpe, J. "4D retrospective lineage tracing using SPIM for zebrafish organogenesis studies" *J. of Biophotonics*, 4:122, 2011
22. Faucherre, A., and **López-Schier, H.** "Delaying Gal4-driven gene expression in the zebrafish with morpholinos and Gal80" *PLoS ONE* 26;6(1):e16587, 2011
23. Wibowo, I., Pinto-Texeira, F., Satou, C., Higajishima, and **López-Schier, H.** "Compartmentalized Notch signaling sustains epithelial mirror symmetry" *Development* 138:1143, 2011
24. Pujol-Martí, J., Zecca, F., Baudoin, Faucherre, A., Asakawa, K., Kawakami, K. and **López-Schier, H.** "Neuronal birth order identifies a dimorphic sensorineural map" *J. of Neuroscience* 32(9):2976-87, 2012
25. Pujol-Martí, J., and **López-Schier, H.** "Developmental and Architectural Principles of the Lateral-line Neural Map" *Frontiers in Neural Circuits*, 7:47, 2013
26. Faucherre, A., and **López-Schier, H.** "Dynamic neuroanatomy at subcellular resolution in the zebrafish" *Methods in Molecular Biology*, 1082:187-95, 2014
27. Fritzsch, B., and **López-Schier, H.** "Evolution of polarized hair cells" *Flow Sensing in Air and Water*, H. Bleckmann et al. (eds.) Springer-Verlag Berlin Heidelberg, 2014
28. Pinto-Teixeira, F., Muzzopappa, M., Swoger,J., Mineo, A., Sharpe, J. and **López-Schier, H.** "Intravital imaging of hair-cell development and regeneration in the zebrafish" *Frontiers in Neuroanatomy*, 7:33, 2014
29. Pujol-Martí, J., Faucherre, A., Aziz-Bose, R., Asgharsharghi, A., Colombelli, J., Trapani, JG., and **López-Schier, H.** "Converging axons collectively initiate and maintain synaptic selectivity in a constantly remodeling sensory organ" *Current Biology*, 24(24): 2968-2974, 2014
30. Xiao, Y., Faucherre, A., Pola-Morell, L., … Kawakami, K., and **López-Schier, H.** "High-resolution live imaging reveals axon-glia interactions during peripheral nerve injury and repair" *Dis. Mod. Mech.* 8(6):553-64, 2015
31. Pinto-Teixeira, F., Viader-Llargués, O., Torres-Mejía, E., Turan, M., González-Gualda, E., Pola-Morell, L., and **López-Schier, H.** "Inexhaustible hair-cell regeneration in young and aged zebrafish" *Biology Open* 4(7): 903-909, 2015
32. Lin. A, et al., "Selective-plane illumination optical and optoacoustic microscopy for postembryonic whole-animal imaging" *Lasers and Photonics Reviews* 9, 5, 2015
33. Xiao, Y., Tian, W., and **López-Schier, H.** "Optogenetic stimulation of neuronal repair" *Current Biology* 25(22): R1068-1069, 2015
34. Xiao, Y. and **López-Schier, H.** "Studying axonal regeneration by laser microsurgery and high-resolution videomicroscopy" *Methods in Molecular Biology:* Zebrafish, Methods and Protocols, 2016

35. Omar, M. et al., "Optical imaging of post-embryonic zebrafish using multi-orientation raster scan optoacoustic mesoscopy" *Light: Science & Applications* 6, 2017
36. Deán-Ben, XL., **López-Schier, H.**, Razansky, D. "Optoacoustic micro-tomography at 100 volumes per second." *Sci. Rep.* 7(1):6850, 2017
37. Viader-Llargués, O., Lupperger, V., Pola-Morell, L., Marr, C. and **López-Schier.** "Live cell-lineage tracing and machine learning reveal patterns of organ regeneration" *eLife* 7:e30823, 2018
38. **López-Schier, H.** "Neuroplasticity in the acoustic startle reflex in larval zebrafish" *Curr. Opin. Neurobiol.* 54:134-139, 2018
39. Lozano-Ortega, M., Valera, G., Xiao, Y., Faucherre, A., and **López-Schier, H.** "Hair-cell identity establishes labeled lines of directional mechanosensation" *PLoS Biology* 16(7):e2004404, 2018
40. Deán-Ben, XL., **López-Schier, H.**, Razansky, D. "Acoustic Scattering Mediated Single Detector Optoacoustic Tomography" *Phys. Rev. Lett*. 25;123(17):174301 (2019)
41. Valera G, **López-Schier H.** "Live Morphometric Classification of Sensory Neurons in Larval Zebrafish" *Methods Mol Biol*. 2047:411-419 (2020)
42. Kozak, E.L and **López-Schier, H.** "Sensory Systems: Electrifying News from the Ocean" *Current Biology*, 27(24):R1327-R1329 (2019)
43. Tian, W., Czopka, T. and **López-Schier, H.** "Systemic loss of Sarm1 protects Schwann cells from chemotoxicity by delaying axon degeneration" *Communications Biology* 3(1):49 (2020)
44. Torres-Mejía, E., et al., "Sox2 controls Schwann Cell self-organization through fibronectin fibrillogenesis. *Sci. Reports* 10: 1984 (2020)
45. Kozak, E.L, Palit, S., Miranda-Rodríguez, J., Janjic, A., Böttcher, Lickert, H., Enard, Theis, F. and **López-Schier, H.** "Epithelial planar bipolarity emerges from Notch-mediated asymmetric inhibition of Emx2" *Current Biology*, 30(6):1142-1151 (2020)
46. Tian, W., and **López-Schier, H.** "Blocking Wallerian degeneration by loss of Sarm1 does not promote axon resealing in zebrafish" *MicroPubl. Biology*, (2020)
47. Dreosti, E. and **López-Schier, H.** "Animal Behaviour: Learning Social Distancing" *Current Biology*, 30(20):R1275-R1276 (2020)
48. Asgharsharghi, A., Tian, W., Haehnel-Taguchi, M., and **López-Schier, H.** "Sarm1 is dispensable for mechanosensory-motor transformations in zebrafish" *MicroPubl. Biology*, (2021)
49. Valera, G., Markov, D., Asgharsharghi, Randlett, O., Baudoin, Bijari, K., Ascoli, G., Portugues, R. and **López-Schier, H.** "A neuronal blueprint for directional mechanosensation in larval zebrafish" *Current Biology* S0960-9822(21)00110-X) (2021)
50. Bijari, K., Valera, G., **López-Schier, H.** and Ascoli, G. "Quantitative neuronal morphometry by supervised and unsupervised learning" *STAR Protocols* (in press, 2021)
51. Huang, Y., Omar, M, Tian, W, **López-Schier, H**, Westmeyer, GG, Chmyrov, A, Sergiadis, G, Ntziachristos, V. "Non-invasive visualization of electrical conductivity in tissues at micrometer-scale" *Science Advances* 7(20):eabd1505 (2021)
52. Tian, W., González-Suarez, A., **López-Schier, H**. "Long-term *in toto* imaging of cellular behavior during nerve injury and regeneration" *BioProtocol* (2022)

PREPRINTS

53. Vetschera, P., Koberstein-Schwarz, Schmitt-Manderbach, Dietrich, Hellmich, Chekkoury, Symvoulidis, Reber, Westmeyer, **López-Schier,** Omar, Ntziachristos, V. "Beyond early development: observing zebrafish over 6 weeks with hybrid optical and optoacoustic imaging" *bioRxiv https://www.biorxiv.org/content/10.1101/586933v1*

54. Miranda-Rodríguez, J., Borges, Pinto-Teixeira, Wibowo, Pogoda, Hammerschmidt, Kawakami, K., **López-Schier, H.** "Incoherent collective cell chemotaxis in a zebrafish model of branchio-oto-renal syndrome" (*in revision*)

INVITED SCIENTIFIC PRESENTATIONS (over 100, las two years below)

Vollum Institute, OHSU, Oregon, U.S.A.
Department of Biomedical Engineering, New York University, NY, U.S.A.
Department of Molecular and Cellular Biology, Harvard University, U.S.A.
Janelia Conf. "High-Throughput Dense Reconstruction of Cell Lineages", U.S.A.
Department of Molecular and Cellular Physiology, Stanford University, U.S.A.
RIKEN Brain Science Institute, Wako, Japan
National Institute of Genetics, Mishima, Japan
Congress of the Argentine Society for Neuroscience, Córdoba, Argentina
Systems Biology Department, University of La Plata, La Plata, Argentina
Institut Pasteur of Montevideo, Montevideo, Uruguay
Center for Genomics and Systems Biology, NYU Abu Dhabi, U.A.E.
Goethe-Universität, Frankfurt am Main, Germany *(virtual)*
University of Southern California, CA, U.S.A. *(virtual)*
World Wide Neuro *(virtual)*
Centre for Developmental Neurobiology, King's College London, U.K. *(virtual)*
International Zebrafish Conference *(virtual)*
Zebrafish Neuroscience Webinar series *(virtual)*
Sussex Neuroscience seminar series, U.K. *(virtual)*
Department of Biology, University of Freiburg, Germany
University of Basque Country, Spain
University Libre de Bruxelles, Belgium
GIGA, University of Liege, Belgium
Center for Integrative Brain Research, Seattle, U.S.A. *(virtual)*
Institut de Génomique Fonctionnelle de Lyon, France *(virtual)*
Academia Sinica Taipei, Taiwan *(virtual)*
University of California, Santa Barbara, U.S.A.
University of Barcelona, Spain
Gordon Research Conference on Neural Development, U.S.A.

RESEARCN SUPPORT

Current

Project title	*Funding source*	*Amount*	*Period*	*Role*
Consortium Grant	NIH U19 (U.S.A.)	250.000 (U$)	2018-2022	Member
Fellowship	Skłodowska-Curie	162.800 (€)	2019-2021	Sponsor
Programme Grant (2 teams)	BMBF/NSF (Germany / U.S.A.)	813.000 (€) (grand total)	2020-2022	Co-PI
Proof-of-concept Grant	Volkswagen Fonds	109.600 (€)	2021-2022	PI
Multiphoton microscope	BMBF/DLR	400.000 (€)	2021	PI

Completed (past 10 years)

Project title	*Funding source*	*Amount*	*Period*	*Role*
Starting Grant	European Research Council	1.100.000 (€)	2008-2013	PI
Program	Spanish Ministry of Science	249.000 (€)	2009-2012	PI
Complement	Spanish Ministry of Science	5.000 (€)	2010	PI
Coordinated Grant	European Science Fund	525.000 (€) (grand total)	2010-2016	PI
Program	Helmholtz Diabetes Portfolio	318.000 (€)	2014-2017	PI
3 team consortium	Human Frontiers Science Programme	900.000 (U$) (total)	2014-2017	PI
Visiting Grant	National Institute of Genetics	1.500 (€)	2019	PI

PHD THESES SUPERVISED

Since 2007 I have supervised 12 doctoral students to successful completion of their PhD

Filipe Pinto Teixeira (currently a group leader at Université Paul Sabatier, France)
Indra Wibowo (currently Lecturer at Institute of Technology Bandung, Indonesia)
Jesús Pujol-Martí (currently a postdoc at the Max Planck Institute, Germany)
Elen Torres-Mejía (currently a postdoc at the MIT, USA)
Oriol Viader-Llargues (currently Science Associate at Charles River Associates, Germany)
Yan Xiao (currently a postdoc at the Technical University Munich, Germany)
Eva Kozak (currently a postdoc at LMU, Germany)
Weili Tian (currently a postdoc at the German Cancer Research Center, Germany)
Amir Sharghi (currently Product Manager at Molecular Machines & Industries, Germany)
Marta Lozano-Ortega (currently Consultant at Executive Insight Healthcare, Switzerland
Gema Valera (currently Outreach Manager at Scientific Advanced Research Centre, Spain)
Andrés González-Suarez (currently lab manager, Helmholtz Center Munich, Germany)

CURRENT LABORATORY MEMBERS
PETRA HAMMERL
LAURA POLA-MORELL
ANDRES GONZALEZ-Suarez
JERONIMO MIRANDA-RODRIGUEZ
AUGUSTO BORGES
YANKO AREVALO

LABORATORY ALUMNI
AMGEN SCHOLARS
ESTELA GONZÁLEZ-GUALDA (2013) – NOW PHD STUDENT AT UNIVERSITY OF CAMBRIDGE, U.K.
MELISSA TURAN (2014) – NOW PHD STUDENT AT UCL, U.K.
GABRIELA BONEVA (2015) – NOW AT SOFIA UNIVERSITY, BULGARIA

MASTER'S STUDENTS
KRISTIN PETZOLD (2007-2008) - PHD AT MDC, BERLIN, GERMANY
ALESSANDRO MINEO (2010-2012) - PHD STUDENT AT CSIC, BCN, SPAIN
SÁRA BILENKOVA (2018) - VISITING STUDENT AT UCSF, U.S.A.

PHD STUDENTS
FILIPE PINTO TEIXEIRA (2006-2011) - POSTDOC AT NEW YORK UNIV., U.S.A.
INDRA WIBOWO (2006-2011) - PROFESSOR AT MALANG UNIV., INDONESIA
JESÚS PUJOL-MARTÍ (2007-2013) - POSTDOC AT MAX-PLANCK INSTITUTE, GERMANY
ORIOL VIADER-LLARGUÉS (2012-2017) - ANALYST AT CRA LIFE SCIENCE, GERMANY
AMIR ASGHARSHARGHI (2012-2017) – ENGINEER AT BIT TECHNOLOGY, GERMANY
ELEN TORRES-MEJÍA (2012-2017) - POSTDOC AT MIT, MA, U.S.A.
YAN XIAO (2013-2017) - POSTDOC AT TUM, MUNICH, GERMANY
MARTA LOZANO-ORTEGA (2013-2017) – STUDENT MBA, MADRID, SPAIN
GEMA VALERA (2014-2018) – SCIENCE COMMUNICATION, SPAIN
WEI-LI TIAN (2015-2019) – POSTDOC AT DKFZ, HEIDELBERG, GERMANY
EVA L. KOZAK (2017-2020) – POSTDOC AT LMU, MUNICH, GERMANY

POSTODCTORAL FELLOWS
DR. MARIANA MUZZOPAPPA (2006-2010) - POSTDOC AT IRB, SPAIN
DR. ADÈLE FAUCHERRE (2007-2012) – CHARGE DE RECHERCE, FRANCE
DR. J-P BAUDOIN (2008-2010) - ENGINEER AT APHM, FRANCE
DR. RACHELE ALLENA (2010-2011) - M. de CONFERENCES, PARIS, FRANCE

TECHNICAL STAFF
ANDREA DURÁN-SÁNCHEZ (2008-2012) - TECHNICIAN AT IRB, SPAIN
JACOBO CELA-GALLEGO (2010-2012) - TECHNICIAN AT CRG, SPAIN
JAVIER CARBAJO (2014-2016) - UNIV. KLINIK MUNICH, GERMANY