



## LIONEL A. CHRISTIAEN, PhD

### Director

Sars International Center for Marine Molecular Biology  
University of Bergen  
Thormøhlensgt. 55  
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### Professor of Biology

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## Education

University Paris XI (Orsay)	Ph.D. Developmental Biology	2004
University Paris VI/ENS	DEA/Master's Developmental Biology	2000
University Paris XI/ENS	Agrégation Life and Earth Sciences	1997
Ecole Normale Supérieure (ENS, Paris)	B.S. Biology - Biochemistry	1994-96
Lycée Faidherbe	Classe Prépa., Maths and Biology	1992-94

## Positions and Employment

Starting Jan. 2021	Director, Sars Center for Marine Molecular Biology, University of Bergen (Norway)
2020-present	Professor, Centre for Developmental Genetics, Department of Biology, New York University (USA)
2015-2020	Associate Professor (with tenure), Centre for Developmental Genetics, Department of Biology, New York University (USA)
2009-2015	Assistant Professor, Centre for Developmental Genetics, Department of Biology, New York University (USA)
2005-2009	Postdoctoral fellow, Molecular & Cell Biology, UC Berkeley (USA)
2005	Postdoctoral fellow, INRA/CNRS, Gif-sur-Yvette (France)
2000-2004	Ph.D. candidate, CNRS/University Paris XI, Paris (France).
1999-2000	Ecole Normale Supérieure, section E/S (Biology), Paris (France).
1997-1999	Civil Service, IRD French cooperation, La Paz (Bolivia)
1994-1997	Ecole Normale Supérieure, section E/S (Biology), Paris (France).

## Honors and Awards

2018, 2019	Whitman Fellow, Marine Biological Laboratory, Woods Hole
2014	Young Investigator / H.W. Mossman Developmental Biologist Award, American Association of Anatomists (USA)
2004	Post-doctoral fellowship, Association for Research against Cancer (France)
2000	Ph.D. fellowship, Ministry of Education, Science and Technology (France)
1997	<i>Agrégation</i> of Life and Earth Sciences (teaching degree, national rank : 3 <sup>rd</sup> ). ENS/Université Paris XI (Orsay)
1994	Recruited at the <i>Ecole Normale Supérieure</i> (section E/S, national rank : 4 <sup>th</sup> ).

### Publications pending peer review (Preprints)

61. Tjärnberg, Andreas, Omar Mahmood, Christopher A Jackson, Giuseppe-Antonio Saldi, Kyunghyun Cho, Lionel Christiaen, Richard Bonneau. *Optimal tuning of weighted kNN- and diffusion-based methods for denoising single cell genomics data*. **BioRxiv** ; doi: <https://doi.org/10.1101/2020.02.28.970202>
60. Woo Jun Shim, Enakshi Sinniah, Jun Xu, Burcu Vitrinel, Michael Alexanian, Gaia Andreoletti, Sophie Shen, Brad Balderson, Guangdun Peng, Naihe Jing, Yuliangzi Sun, Yash Chhabra, Yuliang Wang, Patrick P L Tam, Aaron Smith, Michael Piper, Lionel Christiaen, Quan Nguyen, Mikael Bodén, Nathan J. Palpant. *Comparative analysis of diverse cell states establishes an epigenetic basis for inferring regulatory genes governing cell identity*. 2019, **BioRxiv** 635516; doi: <https://doi.org/10.1101/635516>.

### Publications (peer-reviewed, reverse chronological order).

2020

59. Vitrinel, Burcu, Dylan E. Iannitelli, Esteban O. Mazzoni, Lionel Christiaen, Christine Vogel. *Simple method to quantify protein abundances from 1000 cells*. **ACS Omega**. 2020. Doi: 10.1021/acsomega.0c01191. BioRxiv 753582; doi: <https://doi.org/10.1101/753582>
58. Ohta, Naoyuki, Ng, J.T., Kaplan, N., Gravez, B.J., and Lionel Christiaen. *Asymmetric Fitness of Second-Generation Interspecific Hybrids Between *Ciona robusta* and *Ciona intestinalis**. **G3 (Bethesda)**. 2020 Jun 9;g3.401427.2020. doi: 10.1534/g3.120.401427. BioRxiv; doi: <https://doi.org/10.1101/2020.03.04.976837>.

2019

57. Racioppi, C., Wiechecki, K.A., and L. Christiaen. *Combinatorial chromatin dynamics foster accurate cardiopharyngeal fate choices*. 2019, **Elife**. Nov 20;8. pii: e49921. doi: [10.7554/eLife.49921](https://doi.org/10.7554/eLife.49921).
56. Hess, C., Dorien Prummel, K., Nieuwenhuize, S., Parker, H., Rogers, K.W., Kozmikova, I., Racioppi, C., Burger, S., Brombacher, E.C., Burger, A., Felker, A., Chiavacci, E., Shah, G., Huisken, J., Kozmik, Z., Christiaen, L., Mueller, P., Bronner, M., Krumlauf, R., and C. Mosimann. *A conserved regulatory program drives emergence of the lateral plate mesoderm*. **Nat Commun**, 2019, 10(1):3857. doi: [10.1038/s41467-019-11561-7](https://doi.org/10.1038/s41467-019-11561-7).

55. Wang, W., Niu, X., Stuart, T., Jullian, E., Mauck, W., Kelly, R., Satija, R.\*, and L. Christiaen\*. *A single cell transcriptional roadmap for cardiopharyngeal fate diversification*. **Nat Cell Biol**, 2019, 21(6):674-686. [doi: 10.1038/s41556-019-0336-z](https://doi.org/10.1038/s41556-019-0336-z). (\* co-corresponding authors)
54. Athanasiadou, R., Neymotin, B., Brandt, N., Wang, W., Christiaen, L., Gresham, D., and D. Tranchina. *A Complete Statistical Model for Calibration of RNA-seq Counts using External Spike-ins and Maximum Likelihood Theory*. **PLOS Comp Biol**, 2019, 15(3):e1006794. [doi: 10.1371/journal.pcbi.1006794](https://doi.org/10.1371/journal.pcbi.1006794).
53. Kaplan, N., Wang, W., and L. Christiaen. *Initial characterization of Wnt-Tcf functions during Ciona heart development*. **Dev Biol**, 2019, pii: S0012-1606(18)30458-5. doi: 10.1016/j.ydbio.2018.12.018.
52. Racioppi C., Coppola U., Christiaen L., and F. Ristoratore. *Transcriptional regulation of Rab32/38, a specific marker of pigment cell formation in Ciona robusta*. **Dev Biol**, 2019 pii: S0012-1606(18)30004-6. [doi: 10.1016/j.ydbio.2018.11.013](https://doi.org/10.1016/j.ydbio.2018.11.013).
51. Bernadskaya, Y., Gline, S., Brahmabhatt, S., Wang, W., and L. Christiaen. *Discoidin-domain receptor coordinates cell-matrix adhesion and collective polarity in migratory cardiopharyngeal progenitors*. **Nat Commun**, 2019, 10(1):57. [doi: 10.1038/s41467-018-07976-3](https://doi.org/10.1038/s41467-018-07976-3). PMID:PMC6320373.
- 2018
50. Razy-Krajka, F., Gravez, B., Nicole Kaplan, Claudia Racioppi, Wei Wang and L. Christiaen. *An FGF-driven feed-forward circuit patterns the cardiopharyngeal mesoderm in space and time*. **eLife**, 2018, 7. pii: e29656. [doi: 10.7554/eLife.29656](https://doi.org/10.7554/eLife.29656). PMID: PMC5809146
49. Burguera D, Marquez Y, Racioppi C, Permanyer J, Torres-Méndez A, Esposito R, Albuixech-Crespo B, Fanlo L, D'Agostino Y, Gohr A, Navas-Perez E, Riesgo A, Cuomo C, Benvenuto G, Christiaen LA, Martí E, D'Aniello S, Spagnuolo A, Ristoratore F, Arnone MI, Garcia-Fernández J, Irimia M. *Evolutionary recruitment of flexible Esrp-dependent splicing programs into diverse embryonic morphogenetic processes*. **Nat Commun**. 2017. 8(1):1799. [doi: 10.1038/s41467-017-01961-y](https://doi.org/10.1038/s41467-017-01961-y).
48. Brozovic M, Dantec C, Dardaillon J, Dauga D, Faure E, Gineste M, Louis A, Naville M, Nitta KR, Piette J, Reeves W, Scornavacca C, Simion P, Vincentelli R, Bellec M, Aicha SB, Fagotto M, Guérout-Bellone M, Haeussler M, Jacox E, Lowe EK, Mendez M, Roberge A, Stolfi A, Yokomori R, Brown CT, Cambillau C, Christiaen L, Delsuc F, Douzery E, Dumollard R, Kusakabe T, Nakai K, Nishida H, Satou Y, Swalla B, Veeman M, Volff JN, Lemaire P. *ANISEED 2017: extending the integrated ascidian database to the exploration and evolutionary comparison of genome-scale datasets*. **Nucleic Acids Res**. 2018. 46(D1):D718-D725. [doi: 10.1093/nar/gkx1108](https://doi.org/10.1093/nar/gkx1108).
47. Racioppi C, Valoroso MC, Coppola U, Lowe EK, Brown CT, Swalla BJ, Christiaen L, Stolfi A, Ristoratore F. *Evolutionary loss of melanogenesis in the tunicate Molgula occulta*. **EvoDevo**, 2017, 8(1). [doi: 10.1186/s13227-017-0074-x](https://doi.org/10.1186/s13227-017-0074-x)
46. Gandhi, S., Razy-Krajka, F., Christiaen, L\*, and A. Stolfi\*. *CRISPR knockouts in Ciona embryos*. **Adv Exp Med Biol**. 2018;1029:141-152. [doi: 10.1007/978-981-10-7545-2\\_13](https://doi.org/10.1007/978-981-10-7545-2_13) (\* co-corresponding authors).

45. Wang, W., Racioppi, C., Gravez, B., and L. Christiaen. *Purification of Fluorescent Labelled Cells from Dissociated Ciona Embryos*. **Adv Exp Med Biol**. 2018;1029:101-107. [doi: 10.1007/978-981-10-7545-2\\_9](https://doi.org/10.1007/978-981-10-7545-2_9).
- 2017
44. Gandhi, S., Haeussler, M., Razy-Krajka, F., Christiaen, L.\*, and A. Stolfi\*. *Evaluation and rational design of guide RNAs for efficient CRISPR/Cas9-mediated mutagenesis in Ciona*. **Dev Biol**, 2017, 425(1):8-20; [doi: 10.1016/j.ydbio.2017.03.003](https://doi.org/10.1016/j.ydbio.2017.03.003); \* co-corresponding authors). PMID: PMC5502750
- 2016
43. Lam K.Y., Westrick Z.M., Müller C.L., Christiaen L., and R. Bonneau. *Fused Regression for Multi-source Gene Regulatory Network Inference*. **PLoS Comp Biol**, 2016, 12(12):e1005157. [doi: 10.1371/journal.pcbi.1005157](https://doi.org/10.1371/journal.pcbi.1005157)
42. Tolkin, T., and L. Christiaen. *Rewiring of an ancestral Tbx1/10 - Ebf - Mrf network for pharyngeal muscle specification in distinct embryonic lineages*. **Development**, 2016, 143(20):3852-62. [doi: 10.1242/dev.136267](https://doi.org/10.1242/dev.136267)
41. Evans-Anderson, H., and L. Christiaen. *Ciona as a simple chordate model for heart development and regeneration*. **J. Cardiovasc. Dev. Dis.**, 2016, 3(3). pii: 25. [PMC5023151](https://pubmed.ncbi.nlm.nih.gov/263151/)
40. Bernadskaya, Y., and L. Christiaen. *Transcriptional control of developmental cell behaviors*. **Ann Rev Cell Dev Biol**, 2016, [32:77-101](https://pubmed.ncbi.nlm.nih.gov/263151/).
- 2015
39. Stolfi, A., Ryan, K., Meinertzhagen, I., and L. Christiaen. *Migratory neuronal progenitors arise from the neural plate borders in tunicates*. **Nature**, 2015, 527(7578):371-4.
38. Kaplan, N., Razy-Krajka, F., and L. Christiaen. *Regulation and evolution of cardiopharyngeal cell identity and behavior: insights from simple chordates*. **Curr Op Gen Dev**, 2015, 32:119-128.
37. Diogo, R.\* , R. Kelly\*, L. Christiaen\*, M. Levine, J.M. Ziermann, J. Molnar & E. Tzahor\*. *A new heart for a new head in vertebrate cardiopharyngeal evolution*. **Nature**, 2015, 520(7548):466-73 (\* co-corresponding authors; invited review)
36. Gline, S., Kaplan, N., Bernadskaya, Y., Abdu, Y., and L.Christiaen. *Surrounding tissues canalize motile cardiopharyngeal progenitors towards collective polarity and direct migration*. **Development**, 2015, 142(3):544-54.
- 2014
35. Stolfi, A., Gandhi, S., Salek, F., and L.Christiaen. *Tissue-specific genome editing in Ciona embryos by CRISPR/Cas9*. **Development**, 2014. 141(21):4115-20. [doi: 10.1242/dev.114488](https://doi.org/10.1242/dev.114488).
34. Stolfi, A., Sasakura, Y., Chalopin, D., Satou, Y., Christiaen, L., Dantec, C., Endo, T., Naville, M., Nishida, H., Swalla, B., Volff, J.-N. , Voskoboynik, A., Dauga, D., Lemaire, P. *Guidelines for Nomenclature of Genetic Elements in Tunicate Genomes*. **Genesis**, 2014, 53(1):1-14. [doi: 10.1002/dvg.22822](https://doi.org/10.1002/dvg.22822)

33. Stolfi, A., Lowe, E., Racioppi, C., Ristoratore, M., Brown, C.T., Swalla, B., and L. Christiaen. *Divergent mechanisms regulate conserved cardiopharyngeal development and gene expression in distantly related ascidians*. **eLife**, 2014, 3:e03728. doi:10.7554/eLife.03728
32. Racioppi, C., A. K. Kamal, L. Zanetti, F. Razy-Krajka, G. Gambardella, D. di Bernardo, R. Sanges, L. Christiaen\* and F. Ristoratore\* (\* co-corresponding authors). *Fibroblast growth factor signalling controls nervous system patterning and pigment cell formation in *Ciona intestinalis**. **Nat Commun**, 2014, 5:4830. <https://www.nature.com/articles/ncomms5830>
31. Razy-Krajka, F., K. Lam, W. Wang, E. Siu, A. Stolfi, R. Bonneau, and L. Christiaen. *Collier/Olf/EBF-dependent transcriptional dynamics control pharyngeal muscle specification from primed cardiopharyngeal progenitors*. **Dev Cell**, 2014, 29(3):263-76.
- 2013
30. Wang, W., Razy-Krajka, F., Siu, E., Ketcham, A., and L. Christiaen, *NK4 Antagonizes *Tbx1/10* to Promote Cardiac Versus Pharyngeal Muscle Fate in the Ascidian Second Heart Field*, **PLOS Biology**, 2013, 11(12):e1001725
29. Christiaen, L., *Cis-regulatory Timers for developmental Gene Expression*, **PLOS Biology**, 2013, 11(10): e1001698. doi:10.1371/journal.pbio.1001698
28. Haupaix N., Stolfi A., Sirour C., Picco V., Levine M., Christiaen L., and H. Yasuo, *p120RasGAP mediates ephrin/Eph-dependent attenuation of FGF/ERK signals during cell fate specification in ascidian embryos*, **Development**, 2013, 140(21): p. 4347-52
- 2012
27. Stolfi, A., and L. Christiaen, *Genetic and genomic toolbox of the chordate *Ciona intestinalis**, **Genetics**, 2012, 192(1): p. 55-66
26. Christiaen, L. *Developmental Cell Behavior*. **Semin Cell Dev Biol**, 2012, 23: p. 289
25. Tolkin, T., and L. Christiaen, *Development and Evolution of the Ascidian Cardiogenic Mesoderm*. **Curr Top Dev Biol**, 2012. 100: p. 107-42
24. Wang, W., and L. Christiaen, *Transcriptional Enhancers in Ascidian Development*. **Curr Top Dev Biol**, 2012. 98: p. 147-72.
- 2010
23. Tassy, O., D. Dauga, F. Daian, D. Sobral, F. Robin, P. Khoueiry, D. Salgado, V. Fox, D. Caillol, R. Schiappa, B. Laporte, A. Rios, G. Luxardi, T. Kusakabe, J.S. Joly, S. Darras, L. Christiaen, M. Contensin, H. Auger, C. Lamy, C. Hudson, U. Rothbacher, M.J. Gilchrist, K.W. Makabe, K. Hotta, S. Fujiwara, N. Satoh, Y. Satou, and P. Lemaire, *The ANISEED database: digital representation, formalization, and elucidation of a chordate developmental program*. **Genome Res**, 2010. 20(10): p. 1459-68.
22. Stolfi, A., T.B. Gainous, J.J. Young, A. Mori, M. Levine, and L. Christiaen, *Early chordate origins of the vertebrate second heart field*. **Science**, 2010. 329(5991): p. 565-8.
21. Haeussler, M., Y. Jaszczyszyn, L. Christiaen, and J.S. Joly, *A cis-regulatory signature for chordate anterior neuroectodermal genes*. **PLoS Genet**, 2010. 6(4): p. e1000912.

20. Christiaen, L., A. Stolfi, and M. Levine, *BMP signaling coordinates gene expression and cell migration during precardiac mesoderm development*. **Dev Biol**, 2010. 340(2): p. 179-87.

## 2009

19. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *The sea squirt *Ciona intestinalis**. **CSH Protoc**, 2009. 2009(12): p. pdb emo138.
18. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *Isolation of sea squirt (*Ciona*) gametes, fertilization, dechorionation, and development*. **CSH Protoc**, 2009. 2009(12): p. pdb prot5344.
17. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *Electroporation of transgenic DNAs in the sea squirt *Ciona**. **CSH Protoc**, 2009. 2009(12): p. pdb prot5345.
16. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *X-gal staining of electroporated sea squirt (*Ciona*) embryos*. **CSH Protoc**, 2009. 2009(12): p. pdb prot5346.
15. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *Microinjection of morpholino oligos and RNAs in sea squirt (*Ciona*) embryos*. **CSH Protoc**, 2009. 2009(12): p. pdb prot5347.
14. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *Whole-mount in situ hybridization on sea squirt (*Ciona intestinalis*) embryos*. **CSH Protoc**, 2009. 2009(12): p. pdb prot5348.
13. Christiaen, L., E. Wagner, W. Shi, and M. Levine, *Isolation of individual cells and tissues from electroporated sea squirt (*Ciona*) embryos by fluorescence-activated cell sorting (FACS)*. **CSH Protoc**, 2009. 2009(12): p. pdb prot5349.
12. Christiaen, L., A. Stolfi, B. Davidson, and M. Levine, *Spatio-temporal intersection of *Lhx3* and *Tbx6* defines the cardiac field through synergistic activation of *Mesp**. **Dev Biol**, 2009. 328(2): p. 552-60.

## 2002-2008

11. Christiaen, L., B. Davidson, T. Kawashima, W. Powell, H. Nolla, K. Vranizan, and M. Levine, *The transcription/migration interface in heart precursors of *Ciona intestinalis**. **Science**, 2008. 320(5881): p. 1349-52.
10. Christiaen, L., Y. Jaszczyszyn, M. Kerfant, S. Kano, V. Thermes, and J.S. Joly, *Evolutionary modification of mouth position in deuterostomes*. **Semin Cell Dev Biol**, 2007. 18(4): p. 502-11.
9. Beh, J., W. Shi, M. Levine, B. Davidson, and L. Christiaen, *FoxF is essential for FGF-induced migration of heart progenitor cells in the ascidian *Ciona intestinalis**. **Development**, 2007. 134(18): p. 3297-305.
8. Davidson, B., W. Shi, J. Beh, L. Christiaen, and M. Levine, *FGF signaling delineates the cardiac progenitor field in the simple chordate, *Ciona intestinalis**. **Genes Dev**, 2006. 20(19): p. 2728-38.
7. Davidson, B. and L. Christiaen, *Linking chordate gene networks to cellular behavior in ascidians*. **Cell**, 2006. 124(2): p. 247-50.
6. Tiozzo, S., L. Christiaen, C. Deyts, L. Manni, J.S. Joly, and P. Burighel, *Embryonic versus blastogenetic development in the compound ascidian *Botryllus schlosseri*: insights from *Pitx* expression patterns*. **Dev Dyn**, 2005. 232(2): p. 468-78.
5. Moret, F., L. Christiaen, C. Deyts, M. Blin, P. Vernier, and J.S. Joly, *Regulatory gene expressions in the ascidian ventral sensory vesicle: evolutionary relationships with the vertebrate hypothalamus*. **Dev Biol**, 2005. 277(2): p. 567-79.

4. Moret, F., L. Christiaen, C. Deyts, M. Blin, J.S. Joly, and P. Vernier, *The dopamine-synthesizing cells in the swimming larva of the tunicate Ciona intestinalis are located only in the hypothalamus-related domain of the sensory vesicle*. **Eur J Neurosci**, 2005. 21(11): p. 3043-55.
3. Christiaen, L., F. Bourrat, and J.S. Joly, *A modular cis-regulatory system controls isoform-specific pitx expression in ascidian stomodaeum*. **Dev Biol**, 2005. 277(2): p. 557-66.
2. Hendrickson, C., L. Christiaen, K. Deschet, D. Jiang, J.S. Joly, L. Legendre, Y. Nakatani, J. Tresser, and W.C. Smith, *Culture of adult ascidians and ascidian genetics*. **Methods Cell Biol**, 2004. 74: p. 143-70.
1. Christiaen, L., P. Burighel, W.C. Smith, P. Vernier, F. Bourrat, and J.S. Joly, *Pitx genes in Tunicates provide new molecular insight into the evolutionary origin of pituitary*. **Gene**, 2002. 287(1-2): p. 107-13.

## Teaching

### undergraduate level courses

2011-Present team-taught, introductory course  
 BIOL-UA.22 *Molecular and Cell Biology II*, 14 lectures

2011-Present team-taught, advanced course  
 BIOL-UA.26 *Developmental Biology*, 13 lectures

2009-2011 team-taught, introductory course  
 SCHOL-UA.20 *Presidential Scholars, Sophomore, Paris group*

2011 Spring team-taught, Honors track course  
 BIOL-V23.0970 *Signalling in Biological Systems*, 1 lecture

2000-2003 Teaching Assistant, Biology, University Paris XI (France)  
 1999-2000 Private teaching to 1<sup>st</sup> year medical students, Paris (France)

### graduate level courses

2017-present team-taught introductory course  
 BIOL-GA.2131 *Developmental and Stem Cell Biology Systems II*, lecturer in evodevo module, 1

2016-present team-taught introductory course  
 BIOL-GA.2130 *Developmental and Stem Cell Biology Systems I*, director of the transcription module: 1 lecture, 1 paper discussion, 1 lab session

2012-2015 team-taught introductory course  
 BIOL-GA.2130 *Developmental Systems I*, 2 lectures on heart morphogenesis

2010-2011 team-taught introductory course  
 BIOL-GA.2130 *Developmental Genetics I*, 2 lectures on Heart development

2012 Spring team-taught introductory course  
 BIOL-GA.1002 *Biocore II*, 3 lectures  
 BIOL-GA.2004 *Biocore IV*, 1 lecture

2009 Fall      team-taught introductory course  
BIOL-GA.1001    Biocore I, 1 lecture  
BIOL-GA.2003    Biocore III, 1 lecture

## Graduate and Postdoctoral Advisors

[Jean-Stéphane Joly](#), INRA/CNRS (Ph.D. advisor)

[Michael Levine](#), UC Berkeley (postdoctoral advisor)

## Research advisor activities

### Postdoctoral fellows (total 11)

Dr. Wei Wang (September 2010 - present).

Dr. Yelena Bernadskaya (July 2012 - present). NIH F32 recipient.

Dr. Naoyuki Ota (April 2017- present).

Dr. Nicole Kaplan (January 2018 - present)

Dr. Keaton Schuster (September 2018 - present)

Dr. Andreas Tjärnberg (September 2018 - present)

### **Alumni**

Dr. Basile Gravez (May 2016 – December 2019). AFM fellowship awardee.

Dr. Claudia Racioppi (September 2014 – October 2019). EMBO long-term fellowship recipient.  
Research scientist at Regeneron.

Dr. Alberto Stolfi (April 2012 - July 2017). K99/Roo recipient. Tenure-track Faculty at Georgia Tech., since August 2017. [Stolfi lab](#)

Dr. Florian Razy-Krajka (June 2010 - September 2016). Current: research scientist at Georgia Tech. ([Stolfi lab](#)).

Dr. Stephanie Gline (January 2012 - January 2016), NIH F32 recipient; current: computational scientist.

### Graduate Students (total 13)

#### **Current**

Burcu Vitrinel (Ph.D. Biology student, co-advised with Christine Vogel, expect. graduation 2020).  
Recipient of predoctoral fellowship from the American Heart Association.

Jam Mia Marcy Yu (M.S. Biology student).

#### **Past PhD students**

Nicole Kaplan (Ph.D. Biology student, graduated 12/2017). Current: postdoctoral fellow, Christiaen lab (NYU)

Theadora Tolkin (Ph.D. Biology student, graduated 05/2016). Current: postdoctoral fellow, Hubbard lab (NYULMC)



Karen Lam (Ph.D. Biology student, co-advised with Richard Bonneau, graduated Dec. 2016)

### **Past M.S students**

Yusuff Abdu (M.S. Biology student, graduated 2011. Ph.D. from NYU Medical School, Sackler program, Nance lab. Current: Postdoctoral fellow, Shaham lab, Rockefeller U.)

Alexandra Ketcham (M.S. Biology student, graduated 2011. current: Ph.D. candidate Columbia University, Tavazoie lab)

Yasmin Tayag (M.S. Biology student, graduated 2011)

Justin Le Lorier (M.S. student, Univ. Paris VII, France, summer internship 2010)

Marion Guérault-Bellone (M.S. student, Univ. Montpellier, France, summer internship 2011)

Shashank Gandhi (M.S. Biology student, graduated 2015. Now Ph.D. candidate at Caltech)

Aakarsha Pandey (M.S. Biology student, graduated 2016. Now PhD candidate at Cornell U)

Ria Deshpande (M.S. Biology student, graduated May 2018. Now PhD candidate at UC Irvine)

### **Professional service and memberships**

#### **Professional Services**

**Reviewer for:** Nature, Science, PLOS Biology, eLife, Developmental Cell, Development, Bio Open, Developmental Biology, International Journal of Developmental Biology, Developmental Dynamics, Molecular Biology and Evolution, Differentiation, Genetics, PLOS Genetics, Nature Communications.

**Guest Editor for:** Seminars in Cell and Developmental Biology, Genesis

Standing member on NIH Study Section, Development-1 (DEV1) (*since Sep. 2020*)

**Ad hoc Grant Reviewer for:** CNRS/INSERM (France), Research Promotion Foundation (Cyprus), National Institute of Health, National Science Foundation, Israel Science Foundation, AFM-Telethon (France)

2014-2016 American Association of Anatomist, Young investigator Awards, committee member

#### **Society Memberships**

French Society for Developmental Biology

Society for Developmental Biology

American Association of Anatomists

American Association for the Advancement of Science