

Curriculum Vitae

Didier Stainier Professor, Ph.D.
d.o.b. October 31st, 1963; citizenship: Belgian/American

University Education

1984-1990 Ph.D. in Biochemistry and Molecular Biology, Harvard University, Cambridge, MA, USA
1982-1984 B.A. (Summa cum laude) Biology, Brandeis University, Waltham, MA, USA
1981-1982 Certificate in Biology, Université de Liège, Liège, Belgium

Scientific Career

Since 2015 Professor for Biology, Goethe University, Frankfurt
Since 2012 Director of the Department of Developmental Genetics, Max Planck Institute for Heart and Lung Research, Bad Nauheim
1995-2012 Assistant, Associate (2000), Full (2003) Professor, Department of Biochemistry & Biophysics, University of California, San Francisco, USA
1990-1994 Postdoctoral Fellow, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

Awards and Honors

2021 European Research Council (ERC) Advanced Grant
2017 Inaugural recipient of the Christiane Nüsslein-Volhard Award, European Zebrafish Society
2016 Member of Academia Europaea
2016 European Research Council (ERC) Advanced Grant
2016 Member of EMBO (European Molecular Biology Organization)
2015 22nd Severo Ochoa Memorial Lecture (CBMSO, Madrid, Spain)
2015 van Leeuwenhoek Lecture, Leiden University, Netherlands
2014 Ernst-Caspari Lecture, University of Göttingen, Germany
2013 Officier de l'ordre de Léopold de Belgique
2011 NIH Director's Wednesday Afternoon Lectureship
2008 Fellow of the American Association for the Advancement of Science
2008 J.W. Jenkinson Memorial Lectureship, Oxford University
2003-2006 NIH DEV1, study section Chair
2003 Outstanding Faculty Mentorship Award, UCSF
2003-2004 Annual Byers Award in Basic Science, UCSF
2002 Mossman Award in Developmental Biology, American Association of Anatomists
2000-2003 Established Investigator, American Heart Association
1996-1998 Basil O'Connor Scholar, March of Dimes Foundation
1995-2000 Packard Foundation Fellow in Science and Engineering
1995 Louis N. Katz Basic Science Research Prize Finalist, American Heart Association
1991-1994 Helen Hay Whitney Foundation Postdoctoral Fellow
1984 *Phi Beta Kappa*, Brandeis University
1984 Dr. Joseph Garrison Parker Prize in Biology, Brandeis University
1983 Elihu A. Silver Prize for Undergraduate Research in Science, Brandeis University
1982-1984 Wien International Scholar, Brandeis University

Citation Record

Total citations: 51,474; h-index: 120; h-index since 2017: 75 (Google Scholar October 17th, 2022)

Top-10 Selected Publications

Priya R, Allanki S, Gentile A, Mansingh S, Uribe V, Maischein HM and **Stainier D.Y.R.** Tension heterogeneity directs form and fate to pattern the myocardial wall. **Nature** 2020; 588, 130-134.

El-Brolosy MA, Kontarakis Z, Rossi A, Kuenne C, Günther S, Fukuda N, Khrievono K, Boezio G, Takacs CM, Lai SL, Fukuda R, Gerri C, Giraldez AJ and **Stainier D.Y.R.** Genetic compensation triggered by mutant mRNA degradation. **Nature** 2019; 568, 193-197.

Reischauer S, Stone O, Villasenor A, Chi N, Jin SW, Martin M, Lee MT, Fukuda N, Marass M, Witty A, Fiddes I, Kuo T, Chung WS, Salek S, Lerrigo R, Alsiö J, Luo S, Tworus D, Augustine SM, Muceniaks S, Nystedt B, Giraldez AJ, Schroth GP, Andersson O and **Stainier D.Y.R.** Cloche is a bHLH-PAS transcription factor that drives haemato-vascular specification. **Nature** 2016; 535, 294-298.

Rossi A, Kontarakis Z, Gerri C, Nolte H, Hölper S, Krüger M and **Stainier D.Y.R.** Genetic compensation induced by deleterious mutations but not gene knockdowns. **Nature** 2015; 524, 230-233.

Arrenberg AB, **Stainier D.Y.R.**, Baier H and Huisken J. Optogenetic control of cardiac function. **Science** 2010; 330, 971-974. D.Y.R.S. senior author.

Herbert SP, Huisken J, Kim TN, Feldman ME, Houseman BT, Wang RA, Shokat KM and **Stainier D.Y.R.** Arterial/Venous Segregation by Selective Cell Sprouting: An Alternative Mode of Blood Vessel Formation. **Science** 2009; 326, 294-298.

Vogeli KM, Jin SW, Martin GR and **Stainier D.Y.R.** A common progenitor for hematopoietic and endothelial lineages in the zebrafish gastrula. **Nature** 2006; 443, 337-339.

Ober EA, Verkade H, Field HA and **Stainier D.Y.R.** Mesodermal Wnt2b signaling positively regulates liver specification. **Nature** 2006; 442, 688-691.

Horne-Badovinac S, Rebagliati M and **Stainier D.Y.R.** A cellular framework for gut looping morphogenesis in zebrafish. **Science** 2003; 302, 662-665.

Kupperman E, An S, Osborne N, Waldron S and **Stainier D.Y.R.** A sphingosine 1-phosphate receptor regulates cell migration during vertebrate heart development. **Nature** 2000; 406, 192-195.