

# Giulio Superti-Furga, Ph.D.

**Date of birth:** 17<sup>th</sup> May, 1962

**Place of birth:** Milan, Italy

**Nationality:** Italian

**Current Position:** Scientific Director and CEO of CeMM, Guest Professor of Molecular Pharmacology Med Univ Vienna

## Scientific Education and Career History:

- **1968-1981:** German School of Milan
- **1981-1986:** Diploma studies of Molecular Biology, University of Zurich (M. Busslinger, M.L. Birnstiel)
- **1987-1991:** Ph.D. studies at University of Zurich, Genentech, Inc, and I.M.P. Vienna. Degree in Molecular Biology University of Zurich (M. Busslinger, M.L. Birnstiel)
- **1991-1993:** Postdoctoral fellow European Molecular Biology Laboratory, Heidelberg (G. Draetta, S. Courtneidge)
- **1993-2004:** Staff Scientist and Team Leader European Molecular Biology Laboratory
- **1997-2000:** Adj. Professor of Molecular Biology at the University of Bologna
- **2000-2005:** Founder and Scientific Director Cellzome AG and Inc., Heidelberg
- **2005-present:** Guest Professor of Molecular Pharmacology, Medical University of Vienna
- **2005-present:** Scientific Director CeMM

## Other Functions:

- Chair, EMBL Alumni Association
- Member of the Standing Technical Evaluation Committee of the Lombardy Region for Research Funds
- Member of the Harvard Armenise Foundation Fellowship Committee (until 2012)
- Chair of the Committees awarding the FEBS Letters Young Group Leader Prize (until 2011)
- Chair of the John Kendrew Award of the EMBL Alumni Association
- Member of the Ignaz L. Lieben Prize Committee
- Member of the Jubiläumsfonds der Stadt Wien
- Member of non-partisan "Österreich 2025" Think-Tank (section "Innovationsland Österreich")

## Scientific Advisory Board Member (selection):

- IARC (International Agency for Cancer Research, Lyon, France)
- EAB Board Member Institute for Research in Biomedicine (IRB Barcelona)
- HSR San Raffaele (Milan)
- Cellzome Inc. (Heidelberg and Cambridge)
- Helmholtz Alliance on Systems Biology (Germany)
- Virtual Liver Network (largest Systems Biology in Europe, German Ministry)
- Austrian Association of Molecular Life Sciences and Biotechnology
- SAB Expert Proteomics Panel Roche
- Evaluation Board Chair VIB Ghent

## Publications (selection):

- Functional organization of a eukaryotic proteome: systematic analysis of multi-protein complexes in *Saccharomyces cerevisiae*. Gavin, A.C., Bosche M, Krause R, Grandi P, Marzioch M, Bauer A, Schultz J, Rick JM, Michon AM, Cruciat CM, Remor M, Hofert C, Schelder M, Brajenovic M, Ruffner H, Merino A, Klein K, Hudak M, Dickson D, Rudi T, Gnau V, Bauch A, Bastuck S, Huhse B, Leutwein C, Heurtier MA, Copley RR, Edelmann A, Querfurth E, Rybin V, Drewes G, Raida M, Bouwmeester T, Bork P, Seraphin B, Kuster B, Neubauer G, Superti-Furga G. **Nature 2002 415, 141-147.**
- Autoinhibition of c-Abl. Pluk H, Dorey K, Superti-Furga, G. **Cell 2002 108, 247-259.**
- A myristate/phosphotyrosine switch regulates c-Abl. Hantschel O, Nagar B, Guettler S, Kretzschmar J, Dorey K, Kuriyan J, Superti-Furga G. **Cell 2003 112, 845-857.**
- A physical and functional map of the TNF $\alpha$ /NF $\kappa$ B signalling pathway. Bouwmeester T, Bauch A, Ruffner H, Angrand PO, Bergamini G, Croughton K, Cruciat C, Eberhard D, Gagneur J, Ghidelli S, Hopf C, Huhse B, Mangano R, Michon AM, Schirle M, Schlegl J, Schwab M, Stein MA, Bauer A, Casari, G, Drewes G, Gavin AC, Jackson DB, Joberty G, Neubauer G, Rick J, Kuster B, and Superti-Furga G. **Nature Cell Biology 2004 6:97-105.**
- Proteome survey reveals modularity of the yeast cell machinery. Gavin AC, Aloy, P, Grandi P, Krause R, Boesche M, Marzioch M, Rau C, Jensen LJ, Bastuck S, Dümplefle B, Edelmann A, Heurtier MA, Hoffmann V, Hoefert C, Michon M, Schirle M, Remor M, Bauer A, Bouwmeester T, Casari G, Drewes, G, Neubauer G, Rick JM, Kuster B, Bork P, Russell RB, Superti-Furga G. **Nature 2006 440(7084):631-6.**
- An orthogonal proteomic-genomic screen identifies AIM2 as a cytoplasmic DNA sensor for the inflammasome. Bürckstümmer T, Baumann C, Blüml S, Dixit E, Dürnberger G, Jahn H, Planyavsky M, Bilban M, Colinge J, Bennett KL, Superti-Furga G. **Nat Immunol 2009 Mar;10(3):266-72.**
- IFIT1 is an antiviral protein that recognizes 5'-triphosphate RNA. Pichlmair A, Lassnig C, Eberle CA, Gorna MW, Baumann CL, Burkard TR, Burckstummer T, Stefanovic A, Krieger S, Bennett KL, Rulicke T, Weber F, Colinge J, Muller M, Superti-Furga G. **Nat Immunol 2011;12(7):624-630.**
- Targeting the SH2-kinase interface in Bcr-Abl inhibits leukemogenesis. Grebien F, Hantschel O, Wojcik J, Kaube I, Kovacic B, Wyrzucki AM, Gish GD, Cerny-Reiter S, Koide A, Beug H, Pawson T, Valent P, Koide S, Superti-Furga G. **Cell 2011, Oct 14;147(2):306-19.**
- Viral immune modulators perturb the human molecular network by common and unique strategies. Pichlmair A, Kandasamy K, Alvisi G, Mulhern O, Sacco R, Habjan M, Binder M, Stefanovic A, Eberle CA, Goncalves A, Bürckstümmer T, Müller AC, Fauster A, Holze C, Lindsten K, Goodbourn S, Kochs G, Weber F, Bartenschlager R, Bowie AG, Bennett KL, Colinge J, Superti-Furga G. **Nature. 2012 Jul 26;487(7408):486-90.**
- Systems-pharmacology dissection of a drug synergy in imatinib resistant CML. Winter GE, Rix E, Carlson SM, Gleixner KV, Grebien F, Gridling M, Müller AC, Breitwieser FP, Bilban M, Colinge J, Valent P, Bennett KL, White FM, Superti-Furga G. **Nat Chem Biol 2012, Nov;8(11):905-12.**

## Fellowships and Awards:

- **2004-2010:** Member of the Faculty of 1000
- **2005:** Member of EMBO
- **2007:** Corresponding Member of the Austrian Academy of Sciences
- **2008:** Member of the German Academy of Sciences Leopoldina;  
Dance your PhD Contest, Science Magazine, winner professor category

- **2009:** Order of Merit of the Republic of Italy, Knight Officer;  
Karl Landsteiner Prize by the Austrian Society of Allergology and Immunology;  
Advanced Investigator Grant of the European Research Council
- **2010:** Full Member of the Austrian Academy of Sciences;  
Fellow of the European Academy of Cancer Sciences;
- **2011:** Science Prize of the City of Vienna
- **2011:** Austrian's Scientist of the Year
- **2012:** Member of the European Academy of Cancer Studies

Stand: März 2013