

## *Curriculum Vitae*

### **Claudio A.P. Joazeiro**

Professor Dr.

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### **PERSONAL INFORMATION**

Citizenship: Brazil and USA

### **EDUCATION**

1990-1996 Ph.D., Dept. of Biology, Univ. of California San Diego, USA  
1990 Master's, Dept. Biochemistry, University of São Paulo, Brazil  
1985-1989 Bachelor's in Sciences, Institute of Biosciences, University of São Paulo, Brazil

### **CURRENT POSITIONS**

2016 – pres. Professor, Center for Molecular Biology (ZMBH), Heidelberg University, Germany  
2022 – pres. Professor, UF Scripps Biomedical Research, FL, USA (secondary affiliation)

### **POSITIONS HELD**

2018 – 2022 Professor of Molecular Medicine, Scripps Florida, FL, USA (secondary)  
2006 – 2018 Assistant Professor (2006-2012) and Associate Professor (2012-2018), Depts. of Cell Biology, Cell and Mol. Biology, and Mol. Medicine, Scripps Research, San Diego, USA  
2000 – 2006 Principal Investigator, Genomics Institute of the Novartis Foundation, San Diego, USA  
1997 – 2000 Postdoctoral Fellow, Salk Institute, San Diego, USA  
1996 Postdoctoral Fellow, University of California, Los Angeles, USA

### **INSTITUTIONAL RESPONSIBILITIES (SELECTED)**

2021 – pres. Speaker (elected) and member of the Steering Committee, Thematic Research Network “Molecular Mechanisms in Health and Disease” (MINDS), Heidelberg Univ., Germany  
2021 – 2022 Speaker, Cluster of Excellence proposal for Heidelberg University's Excellence Strategy  
2017 – pres. Member, Board of Directors, German Cancer Research Center (DKFZ)-ZMBH Alliance  
2017 – pres. Member, various Faculty Search Committees, Heidelberg Univ.  
2016 – pres. Co-Organizer, *Colloquium* Seminar Series, Heidelberg University, Germany  
2015 Faculty member, Philanthropy Committee, The Scripps Research Institute, USA

### **KEYWORDS**

Protein quality control (bacteria, yeast, mammalian cells, mouse models)  
Translational surveillance (ribosome-associated quality control)  
Neurodegeneration (molecular mechanisms of ALS)  
RNA-binding proteins (tRNA- and ribosome binding proteins of the NEMF family)  
E3 ubiquitin ligases  
Therapeutic development (Protein degraders/Proximity-inducing drugs)

**ACTIVE THIRD-PARTY RESEARCH SUPPORT**

5 R01 NS102414-05 coPI 08/01/2017-06/30/2027  
 NIH-NINDS  
 “Polyalanine tails: a novel type of protein modification implicated in neurodegeneration”

PROXIDRUGS coPI 10/01/2021-09/30/2024  
 Bundesministerium für Bildung und Forschung (BMBF; Federal Ministry of Education and Research)  
 “Proxidrugs against infectious agents (AntiMIC)”

**FELLOWSHIPS AND AWARDS**

2014 Brazil’s Ministry of Development, Industry and Commerce  
 1st Brazilian Diaspora Prize “Professional of the Year” in the Human Health sector  
 2000 Leukemia and Lymphoma Society, Career Development Award  
 1998 – 2000 American Cancer Society Fellow  
 1996 Howard Hughes Medical Institute Fellow  
 1996 Irvington Institute for Immunology Fellow (Declined)  
 1994 University of California, San Diego, Excellence in Teaching Award  
 1991 – 1995 National Research Council (CNPq), Brazil. Doctoral Student Fellowship

**TEACHING**

2022 – pres. Course coordinator, Molecular Microbiology. Heidelberg University, Germany  
 2016 – pres. Practical and theoretical classes for B.S. and M.S. students on Molecular Biology, Microbiology, and Protein Quality Control. Heidelberg University, Germany  
 2020 – 2021 Molecular Biology Ph.D. course, Scripps Florida, USA  
 2020 Invited Instructor, University of São Paulo (USP), QBQ5717 “Biologia Molecular da Transformação Maligna.” São Paulo, Brazil  
 2014 Visiting mentor, undergraduate and graduate minority students (Latino, LGBT, underprivileged). Scripps Florida  
 2010 – 2015 Cell Biology Ph.D. course, Scripps Research, CA, USA  
 2008 – 2010 Invited Instructor, EMBO Course “Ubiquitin and SUMO.” MedILS, Croatia  
 1992 – 1995 Teaching Assistant, various courses for B.S. students. UC San Diego, USA

**ORGANIZATION OF SCIENTIFIC MEETINGS**

*Evidence of Dr. Joazeiro’s leadership in proposing and organizing conferences aimed at stimulating progress in his research fields. These include, e.g., meetings bringing together ubiquitin scientists and scientists working on signal transduction as mechanisms involving ubiquitin were first beginning to emerge in the signaling field*

2022 **FASEB** meeting “Ubiquitin & Ub-like proteins: Cell Functions and Therapeutic Targeting.” Co-organizer. Southbridge, MA, USA—*This is widely viewed as the premier conference in the ubiquitin field*  
 2022 **EMBO** meeting “The ubiquitin system: Biology, mechanisms and roles in disease.” Co-organizer. Cavtat, Croatia—*The most important ubiquitin meeting in Europe and one of the top 3 worldwide*  
 2019 **EMBO** meeting “The ubiquitin system: Biology, mechanisms and roles in disease.” Lead organizer. Cavtat, Croatia—*The most important ubiquitin meeting in Europe and one of the top 3 worldwide*  
 2015 Cavendish Global Health Impact Forum. Co-organizer of the TSRI portion of the program. San Diego, USA  
 2010 International Chemical Congress of Pacific Basin Societies, Symposium on “Frontiers in Ubiquitin Research” Co-organizer. Honolulu, USA  
 2009 The San Diego Ubiquitin Meeting. Lead organizer. San Diego, USA  
 2008 2<sup>nd</sup> American Association for Cancer Research (**AACR**) meeting “Ubiquitin and Cancer: From Molecular Targets and Mechanisms to the Clinic.” Co-organizer. San Diego, USA  
 2007 2<sup>nd</sup> **Keystone** meeting “Ubiquitin and Signaling.” Co-organizer. Big Sky, USA  
 2006 American Association for Cancer Research (**AACR**) meeting “Ubiquitin and Cancer: From Molecular Targets and Mechanisms to the Clinic.” Co-organizer. Orlando, USA

- 2005 **Keystone** meeting “Ubiquitin and Signaling.” Founding co-organizer of the ongoing series. Taos, USA
- 2004 2nd Novartis International Symposium on Social Responsibility and Tropical Diseases. Sao Paulo, Brazil

## INVITED PRESENTATIONS

### Internationally established Conferences:

- 2023 **EMBO** Workshop “Protein Quality Control - From Molecular Mechanisms to Therapeutic Intervention.” Srebreno, Croatia
- 2022 **International Ubiquitin Symposium.** Tokyo, Japan
- 2022 Annual Meeting, **The Molecular Biology Society of Japan.** Tokyo, Japan
- 2022 **FASEB** conference “The Post-transcriptional Control of Gene Expression: Mechanisms of RNA Decay.” Jupiter, USA
- 2022 **14th International Congress of Cell Biology;** mini-symposium on "Protein quality control". Taipei, Taiwan
- 2021 **Cold Spring Harbor Laboratory** "Ubiquitin, Autophagy, and Disease" meeting. Cold Spring Harbor, USA
- 2019 Conference “Protein Folding on the Ribosome,” Berlin, Germany
- 2019 **GRC** “Stress Proteins in Growth, Development and Disease.” Lucca, Italy
- 2017 **EMBO** Conference “Protein Quality Control in Health and Disease,” Sant Feliu de Guixols, Spain
- 2017 **GRC** “Stress Proteins in Growth, Development and Disease.” Sunday River Resort, Maine, USA
- 2017 42nd Congress of the Federation of European Biochemical Societies (**FEBS**), symposium on “Mechanisms for Protein Homeostasis.” Jerusalem, Israel
- 2017 **EMBO** Conference “Ubiquitin and SUMO.” Cavtat, Croatia
- 2017 **EMBO** Workshop “Proteostasis.” Ericeira, Portugal
- 2016 American Society for Biochemistry & Mol. Biology (**ASBMB**) Annual Meeting, San Diego, USA
- 2016 **Salk Meeting** “Post-translational Regulation of Cell Signaling.” San Diego, USA
- 2015 10th **European Biophysics Congress**, Mini-symposium on "Ribosome dynamics in regulating speed and accuracy of translation." Dresden, Germany
- 2015 **EMBO** Conference “Ubiquitin and Ubiquitin-like Proteins: from molecular mechanisms to human diseases.” Cavtat/Dubrovnik, Croatia (canceled participation)
- 2014 **EMBO** Conference “Ubiquitin & ubiquitin-like proteins: At the crossroads from chromatin to protein.” Buenos Aires, Argentina
- 2013 **Cold Spring Harbor Laboratory** “Ubiquitin Family” meeting. Cold Spring Harbor, NY, USA
- 2013 **EMBO** Conference “Ub and Ub-like Proteins: from structure to function.” Riva del Garda, Italy
- 2012 **Keystone** meeting “Ubiquitin Signaling.” Whistler, British Columbia, Canada
- 2012 **FASEB** Conference “Ubiquitin & Cellular Regulation.” Saxtons River, VT, USA
- 2012 10th **International Cell Biology Congress.** Rio de Janeiro, Brazil
- 2009 **Keystone** meeting “The Many Faces of Ubiquitin.” Copper Mountain, CO, USA

### International Advanced Schools:

- 2021 Summer School of the Institute of Biochemistry of Frankfurt Goethe University. Frankfurt, Germany
- 2021 ETH Zurich & MPI Biochemistry Martinsried “Young Scientist Symposium on Protein Quality Control” (virtual)
- 2020 “Ubiquitin-and-Friends Symposium,” Institute of Molecular Pathology, Vienna, Austria
- 2017 Summer School “Ribosome dynamics in regulation of accuracy of translation.” Erice, Italy
- 2017 German-Israeli Helmholtz Research School “Frontiers in Cell Signaling and Gene Regulation” (SignGene). Berlin, Germany
- 2017 2nd Istituto FIRC di Oncologia Molecolare (IFOM) “Advanced Lecture Course: Ubiquitin-assisted autophagy, from mechanisms to pathology.” Milan, Italy
- 2010 **EMBO** Course “Ubiquitin and SUMO.” Split, Croatia

## GRANTED PATENTS

- Joazeiro, C., U.S. Patent #20040171085 of 09/02/04, “Methods and Compositions for Treating Neurodegenerative Diseases.”

## BOOK CHAPTERS

- Joazeiro, C. and Hunter, T. 2009. Ring Finger Proteins as E3 Ubiquitin Ligases. In: R. Pasqualini and W. Arap (ed.), Protein Discovery Technologies, p.203-213. CRC Press, Boca Raton, FL
- Kassavetis, G.A., Bardeleben, C., Braun, B., Joazeiro, C., Pisano, M. and Geiduschek, E.P. 1994. Transcription by RNA polymerase III, p.107-126. In: R.C. Conaway and J.W. Conaway (ed.), Transcription: mechanisms and regulation. Raven Press, New York, NY.

## LEADERSHIP IN INDUSTRIAL INNOVATION

- 2014 1st Brazilian Diaspora Prize “Professional of the Year” in the Human Health sector  
*Recognized by Brazil’s Ministry of Development, Industry and Commerce for Dr. Joazeiro’s various activities aimed at developing an innovative Biotechnology sector in the country*

## OTHER LIFE SCIENCES-RELATED ACTIVITIES

- 2013 Host Committee member, San Diego Opera Life Science event  
2012 Host Committee member, San Diego Opera Life Science event  
2011 Host Committee member, La Jolla Playhouse “Innovation Night” event  
2011 Host Committee member, San Diego Opera Life Science event