

ARMANDO CHAPIN RODRÍGUEZ, PhD  
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#### EDUCATION AND TRAINING

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*Cambridge University and MRC Laboratory of Molecular Biology, Cambridge, UK*

PhD in biochemistry and structural biology

*Duke University, Durham, NC, USA*

BSc (*summa cum laude*) in chemistry and biochemistry

*New York University, New York, NY, USA*

Intensive Certificate Program in Global Affairs, including international political economy, negotiation, history after World War II, and international law

*Center for Neurologic Diseases, Brigham and Women's Hospital, Boston, MA, USA*

Postdoctoral research in neuroscience, cell biology, molecular biology

#### CONSULTING IN SCIENTIFIC/TECHNICAL COMMUNICATION

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*Consultant in Research Communication and Study Design*

Clients have included

Croatian Veterinary Institute, Zagreb, Croatia

European Academy (EURAC Research), Bozen, Italy

European Molecular Biology Organization, Heidelberg, Germany

Guangxi Medical University, Nanning, China

Helmholtz Zentrum München, Neuherberg, Germany

Institute for Medical Research and Occupational Medicine, Zagreb, Croatia

Institute of Molecular Genetics, Czech Academy of Sciences, Prague, Czech Republic

Institute of Molecular Medicine, Lisbon, Portugal

Universidad de Alcalá, Spain

Universidad Complutense de Madrid, Spain

Universidad Nacional Mayor de San Marcos, Lima, Perú

Université d'Aix-Marseille, France

University of Barcelona, Spain

University of Geneva, Switzerland

University of Helsinki, Finland

University of Split, Croatia

University of Zagreb (various faculties), Croatia

West China School of Medicine and West China Hospital, Sichuan University, Chengdu, China

*Former Scientific Writer, Institute of Biological and Medical Imaging, Helmholtz Zentrum München, Munich, Germany*

- Assisted PhD scientists and postdoctoral researchers in the writing of manuscripts for engineering and bioscience journals, grant proposals to German and European funding agencies, and press releases
- Conducted in-house training for researchers in research writing and figure design

*Former Instructor in Research Design and Communication, West China School of Medicine, Chengdu, China*

- Conducted workshops on effective oral and written biomedical communication to 350 PhD students and researchers in the clinical and biomedical sciences as well as to 240 medical students

#### SCIENTIFIC EDITORIAL EXPERIENCE

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Former Managing Editor, *Photoacoustics*

Former Co-Managing Editor, *Croatian Medical Journal*

#### LANGUAGE PROFICIENCY

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English (*native*), Spanish (*fluent*), French (*fluent*), Croatian (*fluent*), German (*advanced*), Mandarin (*beginner*)

PUBLICATIONS ([Times cited](#) from Web of Science, updated January 2019)

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1. Zhong JH\*, **Rodríguez AC\***, Ke Y, Wang YY, Wang L, Li LQ. Hepatic resection as a safe and effective treatment for hepatocellular carcinoma involving a single large tumor, multiple tumors, or macrovascular invasion. 2015. *Medicine (Baltimore)* 94(3):e396. (\*equal contribution) [Times cited: 66](#)
  2. Zhong JH\*, **Rodríguez AC\***, Yang NN, Li LQ. Methylene tetrahydrofolate reductase gene polymorphism and risk of type 2 diabetes mellitus. 2013. *PLOS ONE* 8(9): e74521. doi:10.1371/journal.pone.0074521. (\*equal contribution) [Times cited: 14](#)
  3. **Rodríguez AC**. 2012. Teaching peers to talk to peers. *Bioessays* 34, 918-20.
  4. Wang XY, **Rodríguez AC\***, Shu RM. 2010. Challenges to implementation of medical residency programs in China: a 5-year study of attrition from West China Hospital. *Academic Medicine* 85, 1203-8. (\*corresponding author). [Times cited: 5](#)
  5. McClendon AK, **Rodríguez AC**, Osheroff N. 2005. Human topoisomerase IIalpha rapidly relaxes positively supercoiled DNA: implications for enzyme action ahead of replication forks. *Journal of Biological Chemistry* 280, 39337-45. [Times cited: 83](#)
  6. **Rodríguez AC**, Stock D. 2004. Studying topoisomerases in the fourth dimension. *Structure* 12, 7-9. [Times cited: 2](#)
  7. **Rodríguez AC**. 2003. Investigating the role of the latch in the positive supercoiling mechanism of reverse gyrase. *Biochemistry* 42, 5993-6004. [Times cited: 22](#)
  8. **Rodríguez AC**. 2002. Studies of a positive supercoiling machine: nucleotide hydrolysis and a multifunctional "latch" in the mechanism of reverse gyrase. *Journal of Biological Chemistry* 277, 29865-73. [Times cited: 50](#)
  9. **Rodríguez AC**, Stock D. 2002. Crystal structure of reverse gyrase: insights into the positive supercoiling of DNA. *EMBO Journal* 21, 418-26. [Times cited: 81](#)
  10. **Rodríguez AC\***, Park H-W\*, Mao C, Beese LS. 2000. Crystal structure of a pol alpha family DNA polymerase from the hyperthermophilic archaeon *Thermococcus* sp. 9 degrees N-7. *Journal of Molecular Biology* 299, 471-87. (\*equal contribution) [Times cited: 110](#)
  11. Zhou M, Mao C, **Rodríguez AC**, Kiefer JR, Kucera RB, Beese LS. 1998. Crystallization and preliminary diffraction analysis of a hyperthermostable DNA polymerase from a *Thermococcus* archaeon. *Acta Crystallographica D* 54, 994-5. [Times cited: 4](#)
  12. Lin S, Naim HY, **Rodríguez AC**, Roth MG. 1998. Mutations in the middle of the transmembrane domain reverse the polarity of transport of the influenza hemagglutinin in MDCK epithelial cells. *Journal of Cell Biology* 142, 51-7. [Times cited: 151](#)
  13. Lazarovits J, Naim HY, **Rodríguez AC**, Wang R-H, Fire E, Bird C, Henis YI, Roth MG. 1996. Endocytosis of chimeric influenza virus hemagglutinin proteins that lack a cytoplasmic recognition feature for coated pits. *Journal of Cell Biology* 134, 339-48. [Times cited: 23](#)
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