

# Ana Toste Rêgo, Ph.D.

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## Education

- Ph.D. degree in Biochemistry/Structural Biology* 2006-2010  
University of London, Birkbeck College, UK
- Degree in Applied Chemistry - Biotechnology (equivalent to Bachelor+Masters)* 1996-2001  
New University of Lisbon, Faculty of Sciences and Technology, Lisbon, Portugal

## Research Experience

- Research Officer at MRC-LMB, Cambridge, UK** Since Dec 2014  
Structural and Biochemical studies on the human proteasome.  
Supervisor: Dr. Paula da Fonseca
- Career Development fellowship at MRC-LMB, UK** Jun 2010 - Nov 2014  
Structural and Biochemical studies in the DNA replication and translesion synthesis.  
Supervisor: Dr. Meindert Lamers
- Ph.D. student at Birkbeck College, London, UK** Apr 2006 - May 2010  
Ph.D. thesis: "Molecular studies on the PapC usher domains and MrkD adhesion, proteins of two distinct chaperone-usher systems"  
Supervisors: Prof. Gabriel Waksman and Dr. Francisco Enguita
- Research fellowship in ITQB, Oeiras, Portugal** Jan 2005 - Mar 2006  
Study of proteins involved in the SPINE project.  
Supervisors: Dr. Francisco Enguita and Prof. Maria Arménia Carrondo.
- Research collaboration with University of York, York** Nov 2004 - Apr 2005  
Study of proteins targeted by the SPINE Project.  
Supervisor: Dr. Mark Fogg
- Research fellowship in ITQB, Oeiras, Portugal** Nov 2003 - Jan 2005  
Study of proteins involved in *Klebsiella pneumoniae* adhesion mechanism.  
Supervisor: Dr. Francisco Enguita.
- Research collaboration with University of California, L.A., U.S.A.** Feb 2003 - Jul 2003  
Functional and molecular studies in the SRY gene.  
Supervisor: Prof. Eric Vilain
- Researcher fellowship in INSA, Lisbon, Portugal** Jun 2002 - Feb 2003  
Genetic studies on the molecular pathology of the human masculine infertility.  
Supervisor: Dr. João Gonçalves.
- Undergraduate student in INSA, Lisbon, Portugal** Mar 2001 - May 2002  
"Licenciatura" thesis: "Mutational analysis on the CYP21 gene in patients with 21-hydroxylase deficiency".  
Supervisor: Dr. João Gonçalves.

## Selected Publications

- Toste Rêgo A**, and da Fonseca PC. "Characterization of Fully Recombinant Human 20S and 20S-PA200 Proteasome Complexes." *Mol Cell* (2019), 76(1):138-147.e5.
- Toste Rêgo A**, Holding AN, Kent H, Lamers MH. "Architecture of the Pol III-clamp-exonuclease complex reveals key roles of the exonuclease subunit in processive DNA synthesis and repair" *EMBO J.* (2013), 32(9):1334-43.
- Rêgo AT**, Johnson JG, Geibel S, Enguita FJ, Clegg S, Waksman G. "Crystal structure of the MrkD(1P) receptor binding domain of *Klebsiella pneumoniae* and identification of the human collagen V binding interface." *Mol Microbiol.* (2012) 86(4):882-893.
- Ford B\*, **Rêgo AT\***, Ragan TJ\*, Pinkner J, Dodson K, Driscoll PC, Hultgren S, Waksman G; "Structural homology between the C-terminal domain of the PapC usher and its plug", *J Bacteriol* (2010) 192(7):1824-31.

**Rêgo AT**, Fronzes R, Waksman G; “Snapshot: Bacterial Appendages II”, *Cell* (2010), 140(2):294-294.e1.

**Rêgo AT**, Fronzes R, Waksman G; “Snapshot: Bacterial Appendages I”, *Cell* (2010), 140(1):162-162.e1.

**Rêgo AT\***, Chandran V\*, Waksman G; “Two-step and one-step secretion mechanisms in Gram-negative bacteria: contrasting the type IV secretion system and the chaperone-usher pathway of pilus biogenesis”, *Biochem J* (2009), 425(3):475-88.

#### **Selected oral presentations as invited speaker**

- Seminar at CNIO, Madrid, Spain *2019*
- Seminar at Institute of Cancer Research (ICR), London, UK *2019*
- Seminar at University of Glasgow, Scotland *2019*
- Seminar at the Structural Studies Symposium, MRC-LMB, Cambridge, UK *2019*
- Talk at the LMB symposium, MRC-LMB, Cambridge, UK *2017*
- Talk at 3Rs meeting, Cambridge, UK *2013*
- Talk at ISMB retreat, Cambridge, UK *2009*

#### **Selected international meetings**

- “The ubiquitin system: Biology, mechanisms and roles in disease” - EMBO workshop, Cavtat, Croatia (poster) *2019*
- “Instruct Biennial Structural Biology Conference”, Madrid, Spain (poster) *2019*
- “Chromatin, Replication and Chromosomal Stability Conference”, Copenhagen, Denmark (poster) *2013*
- “Genome Stability Network meeting”, Cambridge, UK *2013*
- “BCA BSG Winter meeting”, Cambridge, UK *2012*
- “Genome Stability Network meeting”, Cambridge, UK *2012*
- “Current Opinion in Structural Biology and DNA repair”, Amsterdam, Netherlands (poster) *2011*