

## Chiara Rampazzo PhD

Department of Biology  
University of Padova  
Via Ugo Bassi, 58/B  
35121 Padova-Italy

Tel.: +39/049/8276456

e-mail: chiara.rampazzo.1@unipd.it

### CURRICULUM VITAE

**2017-present:** Associate Professor in Cell Biology, Department of Biology, University of Padova

**2004-2017:** Researcher in Cell Biology, Department of Biology, University of Padova

**1999-2003:** Research fellow, Department of Biology, University of Padova

**1998:** EMBO short-term Fellowship, Department of Biochemistry, Karolinska Institute, Stockholm, Sweden

**1997:** EMBO short-term Fellowship, Department of Biochemistry, Karolinska Institute, Stockholm, Sweden

**1996-1998:** PhD in Evolutionary Biology, University of Padova

**1995:** Erasmus Fellowship, Department of Genetics, University of Stockholm, Sweden

**1994:** Master Degree in Biological Sciences, University of Padova

### RESEARCH INTERESTS

- Network of enzymes controlling cytosolic and mitochondrial dNTP pool balance in cycling, quiescent and differentiated mammalian cells.
- Effects of the dNTP triphosphohydrolase SAMHD1 loss of function in fibroblasts from patients affected by the Aicardi Goutieres syndrome.

### PUBLICATIONS (last 5 years):

- G Santinon, I Brian I, A Pocaterra, P Romani, E Franzolin, C Rampazzo, A Bicciato, and S. Dupont (2018) "dNTP metabolism links YAP/TAZ and mechanical cues to cell growth and oncogene-induced senescence" *EMBO Journal*. doi: 10.15252/embj.201797780.
- D Pajalunga, E Franzolin, M Stevanoni, S Zribi, N Passaro, A Gurtner, S Donsante, D Loffredo, L Losanno, V Bianchi, A Russo, C Rampazzo and M Crescenzi (2017) "A defective dNTP pool hinders DNA replication in cell cycle-reactivated terminally differentiated muscle cells." *Cell Death and Differentiation*, 24(5):774-784.
- C Rampazzo, MG Tozzi, C Dumontet, L P Jordheim (2016) "The druggability of intracellular nucleotide degrading enzymes". *Cancer Chemotherapy and Pharmacology* 77: 883-893.
- E Franzolin, C Salata, V Bianchi, C Rampazzo (2015) "The Deoxynucleoside Triphosphate Triphosphohydrolase Activity of SAMHD1 Protein Contributes to the Mitochondrial DNA Depletion Associated with Genetic Deficiency of Deoxyguanosine Kinase". *Journal of Biological Chemistry* 290:25986-96.
- C Miazzi, P Ferraro, G Pontarin, C Rampazzo, P Reichard, and V Bianchi (2014) "Allosteric regulation of the human and mouse deoxyribonucleotide triphosphohydrolase sterile  $\alpha$ -motif /histidine-aspartate domain containing protein 1 (SAMHD1)" *Journal of Biological Chemistry* 289: 18339-18346.
- E. Franzolin, G. Pontarin, C. Rampazzo, C. Miazzi, P Ferraro, E. Palumbo, P. Reichard and V. Bianchi (2013) "The deoxynucleotide triphosphohydrolase SAMHD1 is a major regulator of DNA precursor pools in mammalian cells" *Proceedings of the National Academy of Sciences of the United States of America* 110:14272-7.
- M. Frangini, E. Franzolin, F. Chemello, P. Laveder, C. Romualdi, V. Bianchi and C. Rampazzo (2013) "Synthesis of mitochondrial DNA precursors during myogenesis, an analysis in purified C2C12 myotubes" *Journal of Biological Chemistry* 288: 5624-5635.