

# Maria Tanzer, PhD

Postdoctoral fellow

## Personal information

Address: Barkly Place, Carlton, Melbourne

Phone: +61 0416121708

Email address: [maria.tanzer@rolmail.net](mailto:maria.tanzer@rolmail.net), [tanzer.m@wehi.edu.au](mailto:tanzer.m@wehi.edu.au)

Nationality: Italian

Date of Birth: March, 12<sup>th</sup> 1987

## Education and training

**Walter and Eliza Hall Institute (Melbourne, Australia)**, February 2013 – January 2017

**PhD Student** (in the lab of Ass. Prof. John Silke)

*Investigation of cross talk in signalling pathways*

**Leopold-Franzens University and Medical University Innsbruck (Innsbruck, Austria)**,

September 2009 – January 2012, **Masters Student** (Masters thesis in the lab of Prof.

Andreas Villunger)

*Functional analysis of Caspase-2 mutants in apoptosis and proliferation*

**Leopold-Franzens University (Innsbruck, Austria)**, September 2006 – August 2009

**Bakkalaureat Student**

Basic studies in biology with special focus on microbiology and molecular biology

## Awards and Scholarships

- **Marie Sklodowska-Curie Individual Fellowship**, H2020-MSCA-IF-2016
- **Run Melbourne International Travel Scholarship** 2016
- **Edith Moffatt Travel Scholarship** 2015
- **Victorian International Research Scholarship** 2013 - 2016  
I was one of six international students awarded this scholarship in 2013.
- **International Postgraduate Research Scholarship** 2013 - 2016
- Studentships for the university achievements in the academic years 2007/2008 and 2010/2011, Province of Bolzano (Italy)
- Best graduates, 2006, Province of Bolzano (Italy)

## Publications

I contributed to my first publication in 2013 with work I did during my Master's degree and since then, only 4 years later, I have contributed to 15 primary research papers that have already been cited more than 280 times (researchgate).

### First author publications:

Tanzer MC\*, Khan N\*, ... Silke J *et al.* *Combination of IAP antagonist and IFN $\gamma$  activates novel caspase-10 and RIPK1 dependent cell death pathways.*

**Cell Death and Differ.** 2017 Jan 20. doi: 10.1038/cdd.2016.147.

\*equal contribution

Tanzer MC, ... Murphy JM *et al.* *Evolutionary divergence of the necroptosis effector MLKL.*

**Cell Death Differ.** 2016 Feb 12. doi: 10.1038/cdd.2015.169.

Tanzer MC, ... Murphy JM *et al.* *Necroptosis signaling is tuned by phosphorylation of MLKL residues outside the pseudokinase domain activation loop.*

**Biochem J.** 2015 Oct 15;471(2):255-65. doi: 10.1042/BJ20150678. Epub 2015 Aug 17.

## Meetings and Presentations

Hildebrand JM\*, [Tanzer MC\\*](#), ... Silke J *et al.* *Activation of the pseudokinase MLKL unleashes the four-helix bundle domain to induce membrane localization and necroptotic cell death.* *Proc Natl Acad Sci USA.* 2014 Oct 21;111(42):15072-7. doi: 10.1073/pnas.1408987111. Epub 2014 Oct 6.

\*equal contribution

I am very comfortable presenting my work to a wide range of audiences. In addition to weekly lab meetings and biannual division meetings I have regularly presented my work at local and international meetings, to both scientific and general public audiences.

### Most important meetings I attended:

- **EMBO meeting: Cell Death, Inflammation and Cancer**, January, 2017, Obergurgl, Austria (**oral presentation, prize for best short talk**)
- **Victorian Infection and Immunity Network Symposium**, October 2016, WEHI, Melbourne, Australia (**oral presentation**)
- **Young Scientist Forum on Cell Death and Survival**, September 2016, WEHI, Melbourne, Australia (**oral presentation**)
- **Oral presentation**, May 2016, Biocenter, Innsbruck, Austria
- **Oral presentation**, May 2016, CECAD, Cologne, Germany
- **Cell symposium: Cell Death, Inflammation and Immunity**, May, 2016, Crete, Greece (**poster**)
- **Oral presentation**, May 2016, Institute of Cancer Research, London, UK
- **Oral presentation**, May 2016, Ludwig-Maximilian University, Munich, Germany
- **Oral presentation**, May 2016, Max-Planck Institute, Munich, Germany
- **21<sup>st</sup> Lorne Proteomics Conference**, February, 2016, Lorne, Australia
- **Oral presentation**, November 2015, Emory University, Atlanta, USA
- **Oral presentation**, November 2015, St. Jude's Children Research Hospital, Memphis, USA
- **Oral presentation**, November 2015, Genentech
- **Cell symposium: Cell Death and Immunity**, November, 2015, Berkeley, USA (**poster and presentation in the Poster Teaser session**)
- **Japan Australia meeting on Cell Death**, October, 2015, Melbourne, Australia, (**invitation for an oral presentation**)
- **60<sup>th</sup> Science at the Shine Dome Symposium**, Australian Academy of Science, May, 2014, Canberra, Australia
- **8<sup>th</sup> European Workshop On Cell Death**, June, 2012, Monetier les Bians, France (**poster**)

## Work experience and internship

**Max-Planck Institute of Biochemistry (Munich, Germany)**, February 2017 – up to now  
**Postdoctoral fellow** (in the lab of Prof. Matthias Mann)

*Investigating inflammatory signaling by combining phospho- and ubiquitin proteomics with CRISPR/Cas9 technology*

**Medical University Innsbruck (Innsbruck, Austria)**, February 2012 – January 2013

**Scientific assistant** (in the lab of Prof. Andreas Villunger)

*Biochemical analysis of Caspase-2 and PDCD5*

**Medical University Innsbruck (Innsbruck, Austria)**, July 2010 – August 2010

**Laboratory work** (in the lab of Prof. Lukas Huber)

*Biochemical analysis of Mp1P47H*

**Medical University Innsbruck (Innsbruck, Austria)**, February 2010 – March 2010

**Laboratory work** (in the lab of Prof. Andreas Villunger)

*Generation of expression-plasmids for re-expression of Caspase-2*

**Leopold-Franzens University (Innsbruck, Austria)**, July 2009 – August 2009

**Internship** (in the lab of Prof. Dirk Meyer)

*Investigation of vent and gata3 expression in transgenic zebrafish*