

## Personal Information

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**Nationality** Italian

**Birth date** 20-05-1980

**Google scholar:** <https://scholar.google.ch/citations?user=BitX-g0AAAAJ&hl=it>



## Education

### PhD

**Nov. 2004- Jan. 2008** PhD in Genetic and Molecular Biology University of Pavia. **Thesis Defence: 8.01.2008**  
Thesis Title: “De novo biosynthesis of NAD in *B. subtilis*: studies on NadA and NadB enzymes” Supervisor:  
Prof. Dr. A.M. Albertini.

### Master Degree

**Sept. 1999- Sept. 2004:** Degree in Biological Science specialization in Genetic and Molecular Biology  
University of Pavia Thesis Title: “Functional analysis of a DNA replication origin in human cells” Supervisor:  
Dr. G. Biamonti (Institute of molecular genetic of C.N.R. Pavia) Grades: 109/110

## Employment history

**June 2016 –present.** Oberassistent, Junior PI, Institute of Pathology, University of Bern (80% position)

**March 2011-May 2016** Post-Doc at University of Bern, Institute of Pathology in the group of Prof. Dr. med.  
Aurel Perren. Neuro-endocrine pathology. (1/09/2014-1/02/2015: Maternity leave)

**Jan. 2008-Dec. 2010:** Post-Doc at Helmholtz Zentrum Muenchen, Institute of Pathology in Dr. N.S. Pellegata’s  
group. Neuro-endocrine tumors.

## Institutional responsibility

**June 2014-present:** member of the MIC (Microscope Imaging Centre) commission of the University of Bern.

## Approved research projects

### *Main applicant:*

**Jan. 2018- Dec. 2019:** Wilhelm Sander Foundation: “Identification of predictive biomarkers using primary 3D-  
culture of pancreatic Neuro-Endocrine Tumors and patient response data” (CHF 210'000)

**Dec. 2016-Nov. 2019:** Desirée and Niels Yde Foundation; “Lysosome permeabilization and autophagy: new  
targets for treatment of pancreatic neuroendocrine tumors?” (CHF 54'000)

**March 2016- Febr. 2018:** SNF Marie Heim-Vögtlin career grant “Epigenetic reprogramming in the progression  
of pancreatic Neuro-Endocrine Tumors” (CHF 206.000)

**July 2015-June 2018:** Tumor Forschung Bern “Epigenetic as main drivers of pancreatic Neuro-Endocrine  
Tumors development” (CHF 89.000).

### *Co-applicant*

May 2018-April 2022: KFS Grant No: KLS-4227-08-2017 “Precision medicine approaches for novel epigenetic  
treatment for PanNET patients.”

**Sept. 2014-Sept. 2017:** KFS Grant No. 3360-02-2014 “Autophagy modulation in the treatment of pNETs”

## **Supervision of junior researchers:**

### *Bachelor students:*

**2015:** Vital Heim, Biologist, "Hypoxia influence on VEGF different splicing variants expression in pancreatic neuro-endocrine tumors cells."

**2016:** Wyss Melanie, Biologist "TFEB activation upon sunitinib and chloroquine treatment in pancreatic neuroendocrine tumour (pNET) cell lines"

**2017:** Nina Tremp, Biologist "Construction of a vector for inducible DAXX recombination in vitro in murine pancreatic neuro endocrine tumor cells"

### *Master students:*

**2010:** Kathy Schmohl, Biologist, Thesis "Understanding pituitary tumorigenesis in the MENX animal model"

**2013-2015:** Astrid Wiederkehr, Biologist "Impact of DAXX Loss on Cell Survival and DNA Methylation in Pancreatic Neuroendocrine Tumour"

**2014-2015:** Sabrina Traxel, Biomedical Science "Influence of hypoxia on autophagy in pancreatic neuroendocrine tumours and implications in treatment"

**2015-2016:** Samara Naim, Biomedical Science "Influence of hypoxia on the differently VEGF spliced isoforms in pancreatic neuro-endocrine tumors"

**2015-2016:** Rahel Klosser, Biomedical Science "Influence of hypoxia and pseudohypoxia on autophagy in pancreatic neuroendocrine neoplasms"

**2016-2017:** Clemènce Moser, Master student, Biomedical Science "Anti-tumoral treatment of 3D pancreatic neuroendocrine tumor cell culture"

### *PhD students:*

**June 2013- May 2017** Tabea Wiedmer, Graduate school Bern Title: "Autophagy inhibition improves current pancreatic neuroendocrine tumor therapy via a lysosome-dependent mechanism"

**Jan. 2016-present:** Di Domenico Annunziata, Graduate school Bern.

### *Post-Doc*

**May 2017-Present** Tabea Wiedmer

### *Guest PhD student:*

**Oct. 2015-Dec. 2015:** Simona Falletta, University of Ferrara, Italy.

### *PhD thesis committee:*

**Nov. 2015-present:** Sabrina Traxel, Experimental Infectious Diseases and Cancer Research University Children's Hospital, Zurich

## **Teaching activity**

### *Lectures:*

- *Endocrine-Tumors.* Master in Molecular Life Science. University of Bern (since 2015)
- *Cell culture and animal models in cancer research,* Tumor Biology. Master in Biomedical Science, University of Bern. (since 2015)
- *Neuro-endocrine Tumors:* Endocrinology. Master in Biomedical Science University of Bern. (since 2012)
- *Familial tumors:* Bachelor in Molecular Life Science (since 2016)
- *Epigenetic in cancer.* Tumor Biology, Graduate school, University of Bern (since 2017)

## **Journal Reviewer**

Scientific Report, Neuroendocrinology, Endocrine related cancer, Clinical Epigenetics.

## **Membership**

**March 2014-present:** European Neuroendocrine Tumor Society (ENETs)

**August 2017-present:** ENETs excellence academy fellowship

## **Fellowships and Awards**

- 2017: Second prize for best Oral Basic Science Abstract 14<sup>th</sup> Annual Conference of European Neuro-Endocrine Tumor Society. 8-10 March 2017 Barcelona, Spain. 3D primary cells culture: a new promising pre-clinical model for pancreatic Neuro-endocrine tumors (pNETs).
- 2016: Second prize for best Oral Basic Science Abstract, 13<sup>th</sup> Annual Conference of European Neuro-Endocrine Tumor Society. 9-11 March 2016 Barcelona, Spain. "Epigenetic Remodelling upon DAXX and ATRX Loss in Pancreatic Neuro-Endocrine Tumors (pNETs)".
- 2015: Hakam Alhman award 2015 assigned by the European Endocrine Tumor Society for the best publication of 2014 in Neuro-Endocrine Research. *Marinoni et al. Loss of DAXX and ATRX Are Associated With Chromosome Instability and Reduced Survival of Patients With Pancreatic Neuroendocrine Tumors. Gastroenterology. 2014 Feb;146(2):453-460.*
- 2014: Third prize, Novartis-Preis of the Deutsche Gesellschaft für Pathologie 2014. *Marinoni et al. Loss of DAXX and ATRX Are Associated With Chromosome Instability and Reduced Survival of Patients With Pancreatic Neuroendocrine Tumors. Gastroenterology. 2014 Feb;146(2):453-460*
- 2014: Second prize for best Abstract in basic science, 11<sup>th</sup> Annual Conference of European Neuro-Endocrine Tumor Society. 5-7 March 2014 Barcelona, Spain. "DAXX and ATRX Loss Defines Chromosomal Instability and Poor Outcome in Pancreatic NET".
- 2004-2007 Graduate school fellowship. University of Pavia, Italy.

## **Invited Talks and Seminar**

- Ilaria Marinoni, 29.09.2016 Spanish group of Neuro-endocrine tumors (GETNE) XII GETNE International Symposium, Invited Talk Epigenetic Dysregulation in Neuro-endocrine Tumors. Barcelona, Spain.
- Aurel Perren and Ilaria Marinoni, 4.11.2016 Seminar, "Progression and Malignancy of pNETs: morphology meets molecular biology" University College London.
- Ilaria Marinoni 13.04.2015 Seminar "Progression and Therapy resistance in Pancreatic Neuro-endocrine Tumors" Institute of Cell Biology, University of Bern, Bern. (Invited seminar) 2015
- Anja Schmitt and Ilaria Marinoni 4.12.2015 Seminar "Hypoxia in endocrine tumor" ARTOG, University of Bern, Bern

## **Career Breaks**

From September 2014 to February 2015 I had a career break due to the birth of my daughter on 27.09.2014. From February 2015 I reduced my work hours to 80% due to my child care duties.