



**CURRICULUM VITAE**

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NATALIA S. PELLEGGATA

September 2020

**PERSONAL DATA**

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Name: Natalia S. Pellegata  
 Date of birth: 22/07/1966  
 Place of birth: Milan, Italy  
 Academic title: Prof. (PhD)

**Current positions:**

(10/2020- ): Associate Professor of Genetics, Dept. Biology and Biotechnology, University of Pavia, Italy

(03/2016- ): Head of Neuroendocrinology (E14, level 6)  
 Institut für Diabetes und Krebs, Helmholtz Zentrum München, Germany

Previous position (2007-2016): Group leader (E14, level 4-5)  
 Helmholtz Zentrum München

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**EDUCATION**

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Adjunct Professorship 2018 Faculty of Medicine, Technical University Munich

Qualification “ASN-Italy” 2016 Full Professor (Professore Ordinario) Sector: 05/11 “Genetica”

Qualification “ASN-Italy” 2016 Full Professor (Professore Ordinario) Sector: 05/F1 “Biologia Applicata”

“Habilitation” (Priv. Doz.) 2011 Ability to teach; Faculty of Medicine, Technical University Munich  
 Subject: Molecular Pathology

Licence (Biologist) 1995 University of Pavia, Italy

Ph.D. 1989-1993 Institute of Genetic and Microbiology, University of Pavia, Italy. Mentor: Prof. G.N. Ranzani.

Master’s Degree 1985-1989 University of Pavia, Italy, Faculty: Biology  
 Supervisor: Prof. G.N. Ranzani. Grade: 110/110 *summa cum laude*

**PREVIOUS APPOINTMENTS**

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2002-2007 Senior Scientist. Institut für Pathologie, Helmholtz Zentrum München, Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH). Group of Dr. Michael J. Atkinson.

2001-2011 Adjunct Assistant Professor. Department of Molecular Virology, Immunology and Medical Genetics, College of Medicine, Ohio State University, Columbus, Ohio.

2000-2002 Research Scientist. Human Cancer Genetics Division, Comprehensive Cancer Center, Ohio State University, Columbus, Ohio.

1998- 2000 Post-doctoral fellow Human Cancer Genetics Division, Comprehensive Cancer Center, Ohio State University, Columbus, Ohio. Supervisor: Prof. Dr. Albert de la Chapelle.

1995- 1998 Post-doctoral fellow. Department of Genetics and Microbiology, University of Pavia. Supervisor: Prof. Guglielmina N. Ranzani.

1993-1995 Post-doctoral fellow. Department. of Microbiology and Molecular Genetics, University of California at Irvine, Irvine, CA, USA. Supervisor: Prof. Eric J. Stanbridge.

## **FELLOWSHIPS, AWARDS and HONOURS**

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- 2015-2016 Eleonore Trefftz Visiting Professorship for Women Scientists, University of Dresden, Germany
- 2014 International Cancer Technology Transfer Fellowship from the Union for International Cancer Control (UICC) for a collaborative project with the Ohio State University
- 2014 Short Visit Grant of the European Science Foundation-European Network for the Study of Adrenal Tumors (ENS@T) for a collaboration with the CNRS, Valbonne, France
- 1999-2000 American Italian Cancer Society Fellowship for Cancer Research to continue working at the Ohio State University
- 1998-1999 American Cancer Society International Fellowship for Beginning Investigators (ACSBI-IUCC) to work at the Ohio State University
- 1995-1997 Post-Doctoral fellowship from the University of Pavia
- 1994 Travel award from the American Association for Cancer Research (AACR)
- 1994-1995 Fellowship from the Coordinating Committee of the Universities of California to continue working at the University of California Irvine
- 1993-1994 International Fellowship from the Italian Association for Cancer Research (AIRC) to work at the University of California Irvine
- 1993 International Cancer Technology Transfer Fellowships (ICRETT) of the Union for International Cancer Control (UICC) to work at the University of California Irvine
- 1991 Erasmus Fellowship for an exchange with the Leiden University (stage at the Sylvius Laboratories), The Netherlands

## **PROFESSIONAL ACTIVITIES**

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- Guest Editor for the Special Issue "Cancer stem cells in endocrine tumors" to be published in a Special Issue in *Frontiers in Endocrinology* (2019)
- Member of the Executive Committee for the 18th Congress of the European Neuroendocrine Association (Enea) (2018)
- Member of the Editorial Board of the journal "Endocrine" (since 2018)
- Appointed to the committee for the external evaluation of the KFO 252 "Microenvironment of the Adrenal in Health and Disease" by the German Research Foundation (DFG) (in 2011 and 2014)
- Member of the Regional Scientific Committee for the "IWMEN 2012" international workshop on multiple endocrine neoplasia (2012)

Ad Hoc Scientific reviewer: Cancer Research; PlosOne; Cancer Letters; Endocrine-related Cancers; Journal of Clinical Endocrinology and Metabolism; Molecular and Cellular Endocrinology; European Journal of Endocrinology

Ad Hoc International Grant Reviewer: Agence Nationale de la Recherche (ANR), France; Association for International Cancer Research (AICR), United Kingdom; Institut National de la Santé et de la Recherche Médicale (Inserm), France

## **MEMBERSHIP to SCIENTIFIC ASSOCIATIONS**

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- Since 1998 Union for International Cancer Control (UICC)
- Since 2000 American Association for Cancer Research (AACR)

- Since 2006 European Neuroendocrine Tumors Society (ENETS)  
 Since 2012 European Society of Endocrinology (ESE)  
 Since 2013 European Network for the Study of Adrenal Tumours (ENS@T)

#### **ACADEMIC/EDUCATIONAL ACTIVITIES**

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Academic Host for Prof. Clara Bloomfield, MD, Distinguished University Professor at Ohio State and senior advisor to The Ohio State University Comprehensive Cancer Center -- Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, Columbus, OH (in 2010 and 2011)

PhD Thesis Committee Member of Ms. Yashodhara Ingawale, Institute of Radiation Biology, Helmholtz Zentrum München (2013-2015)

"Doctor Europaeus" (International PhD) Thesis Committee Member for Katuscia Benfina, "Dottorato in Scienze Biomediche", University of Ferrara, Italy (2013-2016);

"Doctor Europaeus" (International PhD) external reviewer for: Raefa Abou Khouzam, "Dottorato in Genetica, Biologia Molecolare e Cellulare", University of Pavia, Italy (2016); Simona Falletta, "Dottorato in Scienze Biomediche", University of Ferrara, Italy (2017); Aura Herrera "International Doctor Award", University of Cordoba, Spain (2019).

#### **TEACHING**

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- 1995-1996 Lecturer. Graduate School in Applied Genetics at the Dept. of Genetics and Microbiology, University of Pavia, Italy.
- 1995-1997 Laboratory Instructor. Faculty of Biological Sciences, University of Pavia, Italy.
- 1997-1998 Lecturer. Twenty lectures to students of Biological Sciences at the University of Pavia, Italy, as part of the "Molecular Biology" course.
- 2001 Guest lecturer. Graduate School in Applied Genetics at the Dept. of Genetics and Microbiology, University of Pavia, Italy.
- 2012 Guest lecturer. PhD Program in "Genetics, Molecular and Cellular Biology", University of Pavia, Italy.
- 2013-2014 Lecturer. Graduate School in "Molecular Radiation Carcinogenesis", HMGU, Institute of radiation Biology. Topics: Cell cycle regulation in normal and cancer cells; The RET gene in radiation-induced and syndromic endocrine tumors.
- 2016 Lecturer. Master in "Molecular Biology and Genetics", University of Pavia, Italy.
- Since 2008 Lectures part of the "Molecular Pathology" series (TU-München).
- Since 2008 Lectures part of the "Organ-specific Molecular Carcinogenesis" series (TU-München).

#### **MENTORING (since 2008)**

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Undergraduate students (University "Praktikum" or Bachelor's thesis): Antonia Saint Paul (2008); Kathrin Schmohl (2010); Steffeni Mountford (2010); Ewelina Zmyslowska (2011); Ninelia Minaskan (2012); Christina Shug (2012); Felix Hilfreich (2013); Katharina Buhl (2013); Corinna Schindler (2015); Laura Flüter (2016)

Undergraduate students (Master's Thesis): Christian Jung (2008); Stephanie Bergmoser (2009); Kathrin Schmohl (2010); Nikolai Falk (2010); Steffeni Mountford (2011); Ines Repokis (2011); Ewelina Zmyslowska (2012); Ninelia Minaskan (2013); Katharina Buhl (2014); Vanessa Nkam (2016); Sebastian Gulde (2016-2017); Christina Kellerer (2017); Maximilian Scharwenka (2017)

Graduate students (Ph.D.): Misu Lee (2008-2011); Nikolai Falk (2011-2015); Ines Repokis (2012-2015); Andrea Richter (2013- 2017); Ninelia Minaskan (2014-2018); Eva-Maria Planitscher (2015-2019); Swapna Satam (2017- ); Sebastian Gulde (2017- )

## INDEPENDENT FUNDING

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### Current

- *Deutsche Krebshilfe*. “Drug resistance mechanisms and novel therapeutic targets in medullary thyroid carcinoma (MTC)” (2019-2022) [377.312 Eur]
- *German Research Foundation (DFG)-Collaborative Research Center TRR 205*. “Identification and preclinical evaluation of novel therapeutic targets in pheochromocytoma”. (1<sup>st</sup> funding period 2017-2021) [440.000 Eur]
- *German Research Foundation (DFG)-Collaborative Research Center SFB 824*. “Characterization of an *in-vivo* model of multiple endocrine neoplasia for development of targeted drugs and early response monitoring using molecular imaging”. (1<sup>st</sup> funding period 2009-2013) [522.500 Eur]

**Accepted for 2<sup>nd</sup> funding period: 2013-2017 [400.000 Eur]**

**Accepted for 3<sup>rd</sup> funding period: 2017-2021 [380.000 Eur]**

- *Marie Skłodowska Curie Innovative Training Network (ITN) programme*. “TRIBBLES Research and Innovation Network TRAIN”. (2017-2020) [220.000 Eur]
- *Deutsche Krebshilfe*. “Identification of new molecular markers for the diagnosis and prognosis of human neuroendocrine tumors” (2008-2009) [83.600 Eur]

**Renewed : 2010-2013 [240.000 Eur]**

**Renewed : 2013-2016 [245.000 Eur]**

**Renewed: 2016-2019 [243.600 Eur]**

- *Wilhelm Sander Stiftung* “The role of angiogenesis-related proteins in pituitary adenomas”. (2015-2017) [120.000 Eur]
- **Renewed : 2017-2019 [135.000 Eur]**
- **Renewed: 2019-2021 [135.000 Eur]**

### Previous

- *Wilhelm Sander Stiftung* “BMP dependent mechanisms in adrenomedullary tumorigenesis”. (2012-2014) [160.000 Eur]
- *DAAD- People Exchange Program (PPP)* “Exploring the role of *CDKN1B* (p27) in the predisposition to multiple neuroendocrine tumors”. Collaboration with the University of Saõ Paulo, Brazil (2010-2012) [20.000 Eur]
- *EUMODIC*. “Mouse cancer models”. (2008-2011) [60.000 Eur]
- *DAAD- People Exchange Program (PPP)* “Genetic predisposition to neuroendocrine cancers: from animal models to human patients”. Collaboration with the University of Pavia, Italy (2007-2008) [20.000 Eur]
- *Seed grant-Program of the Ohio State University, Ohio, USA* (Institutional Research Grant from the American Cancer Society #IRG-98-278-02) “Gene expression profiling of papillary thyroid carcinoma.” (2002). [20.000 \$]

## INVITED RESEARCH PRESENTATIONS (last 5 years)

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“Rodent model of neuroendocrine tumors”. Journées Internationales KLOTZ, Paris, June 20-21, 2019.

“Animal models to investigate familial NETs syndromes”. XIII International Symposium of the Spanish Task Force Group for Neuroendocrine Tumors (GETNE), Cordoba, Spain, September 29, 2017.

“Multiple endocrine neoplasia syndromes associated with p27 mutations”. 18<sup>th</sup> European Congress of Endocrinology (ECE2016), Munich, Germany, May 31, 2016.

“Pathogenesis of gonadotroph adenomas: lessons from the animal models”. D-A-CH-Tagung 2016, Meeting of the German, Austrian and Swiss Society of Endocrinology, Munich, Germany, May 28, 2016.

“Molecular mechanisms involved in the pathogenesis of gonadotroph adenomas”. 19th Annual Meeting of the Neuroendocrinology Section of the German Society for Endocrinology (DGE). Munich, Germany, November 20<sup>th</sup>, 2015.

“p27 mutations and syndromic pituitary adenomas: an update”. 4th ENEA (European Neuroendocrine Association) Workshop on Acromegaly, Marseilles, France, December 11, 2015.

“MENX as model of development of NET: from hyperplasia to carcinoma”. 16th Meeting of the European Neuroendocrine Association (ENEA), Sofia, Bulgaria, September 13, 2014.

“The rat MENX syndrome: pancreatic islet cell hyperplasia and associated phenotypic features”. Lecture series KFO 252, University of Dresden, February 11, 2014.

“MENX-associated rat thyroid lesions”. Lecture series at the Division of Human Cancer Genetics, Dept. of Molecular Virology, Immunology and Medical Genetics, Ohio State University, Columbus, Ohio. October 2013.

“The rat MENX syndrome as a platform for translational studies of neuroendocrine tumors”. Lecture series at the Institute of Pathology, University of Tübingen, June 6, 2013.

“Does a new mutation always predict a new disease? Lessons from p27”. 15<sup>th</sup> European Congress of Endocrinology (ECE2013), Copenhagen, Denmark, May 1, 2013.