

# Curriculum Vitae

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## Personal Information

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Name Tommaso Pippucci  
Address Via Albertoni 15, 40138 Bologna, Italia  
Telephone +390512145308  
E-mail [tommaso.pippucci@unibo.it](mailto:tommaso.pippucci@unibo.it); [tommaso.pippucci@aosp.bo.it](mailto:tommaso.pippucci@aosp.bo.it)  
Nationality Italian

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## Work Experience

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- 2018- U.O. Genetica Medica (Director: *Prof. Marco Seri*)  
*01/12/2018 -* IRCCS Azienda Ospedaliero-Universitaria di Bologna,  
Policlinico di Sant'Orsola  
Via Albertoni 15, 40138 Bologna, Italia  
**Dirigente Biologo di Laboratorio (Laboratory Chief  
Officer, Head of Computational Genomics)**
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- 2017 Institute for Genomic Medicine (Director: *Prof. David B. Goldstein*)  
*15/6/2017 - 15/9/2017* Columbia University, New York, NY, U.S.  
**Short-term Fellow of the European Molecular Biology  
Organization (EMBO)**  
Research Project : Identification of somatic mutations in malformations of  
cortical development  
Supervisor: *Dr. Erin Heinzen*
- 
- 2015-2018 U.O. Genetica Medica (Director: *Prof. Marco Seri*)  
*26/01/2015 - 30/11/2018* Azienda Ospedaliero-Universitaria di Bologna, Policlinico di  
Sant'Orsola  
Via Albertoni 15, 40138 Bologna, Italia  
**Contratto di Collaborazione Autonoma (Contract  
Researcher)**  
Research Project: Clinical Exome: generation and analysis of exome data in  
diagnostics for the clinico-molecular characterization of Mendelian diseases  
Supervisor: *Prof. Marco Seri*
- 
- 2015-2016 Dipartimento di Scienze Ginecologiche, Ostetriche e  
*15/01/2015 - 14/01/2016* Pediatriche  
Università di Bologna, Italia  
**Contratto di Collaborazione Coordinata e Continuativa  
(Research Consultant)**  
Research Project: Developing Medical Genetics Education Through  
Curriculum Reforms and Establishment of postgraduate Training Programs  
Art. 7, comma 6, D.LGS. 165/2001  
Supervisor: *Prof. Marco Seri*
- 
- 2012-2014 U.O. Genetica Medica (Director: *Prof. Marco Seri*)  
*01/06/2012 - 30/11/2014* Azienda Ospedaliero-Universitaria di Bologna, Policlinico di  
Sant'Orsola  
Via Albertoni 15, 40138 Bologna, Italia  
**Contratto di Collaborazione Autonoma come vincitore del  
programma Giovani Ricercatori del Ministero della Salute  
Italiano**
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## **(Principal Investigator for the Young Researchers program of the Italian Ministry of Health)**

Research Project: Classical and innovative strategies for the identification of genetic defects at the basis of rare forms of partial epilepsy

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2010-2012 Dipartimento di Scienze Ginecologiche, Ostetriche e  
06/11/2010– 05/11/2011 Pediatriche  
09/11/2011 – 31/05/2012 Università di Bologna, Italia

### **Assegnista di Ricerca “Senior” (Senior Post-Doctoral Fellow)**

Art. 51, comma 6, L. 449/1997

Supervisor: *Prof. Marco Seri*

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2008-2010 Dipartimento di Scienze Ginecologiche, Ostetriche e  
10/09/2008 – 09/09/2009 Pediatriche  
06/11/2009 – 05/11/2010 Università di Bologna, Italia

### **Assegnista di Ricerca (Junior Post-Doctoral Fellow)**

Art. 51, comma 6, L. 449/1997

Supervisor: *Prof. Marco Seri*

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2007-2008 INSERM U535, Génétique épidémiologique et structure des  
01/09/2007 – 31/08/2008 Populations Humaines (Director: *Prof. Françoise Clerget-Darpoux*)  
Hôpital Paul Brousse, Villejuif, France

### **Visiting Post-Doctoral Fellow**

Supervisor: *Drs. Emmanuelle Genin and Drs. Anne-Louise Leutenegger*

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2007-2008 Dipartimento di Medicina Interna, Cardioangiologia ed  
01/09/2007 – 31/08/2008 Epatologia  
Università di Bologna, Italia

### **Assegnista di Ricerca (Junior Post-Doctoral Fellow)**

Art. 24, comma 3, lettera a), L. 30.12.2010, n. 240

Supervisor: *Prof. Marco Seri*

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## **Education**

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2012 **Specializzazione in Genetica Medica, 70/70 cum laude**  
19/03/2012 **(Postgraduate specialization in Medical Genetics),**  
Università degli Studi di Firenze, Italia

Supervisor: *Prof. Maurizio Genuardi*

Dissertation topic: *NEXT GENERATION SEQUENCING IN SINDROMI ULTRARARE LEGATE AL CROMOSOMA X*

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2007 **Dottorato di Ricerca in Biochimica**  
12/06/2007 **(PhD in Biochemistry, Genomics and Post-Genomics Program)**

Università degli Studi di Bologna, Italia

Supervisor: *Prof. Giovanni Romeo*

Dissertation topic: *L'analisi di Linkage come metodo per la mappatura di malattie genetiche: studio di famiglie con paraparesi spastica ereditaria e anomalie del corpo calloso*

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2003 **Laurea in Scienze Biologiche, 110/110 cum laude**  
25/06/2003 **(Master Degree in Biological Sciences)**  
Università degli Studi di Firenze, Italia

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Supervisor: *Dott.ssa Francesca Torricelli*

**Research Experience**  
Bioinformatic analysis of Next Generation Sequencing data  
Development of tools for analysis of Exome/Genome data  
Identification of susceptibility genes in complex disorders  
Identification of mutations and genes in Mendelian disorders

## Languages

*Italian* Mother Tongue

*English* Reading: fluent  
Writing: fluent  
Speaking: fluent

*French* Reading: fluent  
Writing: basic  
Speaking: basic

## Research Projects

Horizon 2020 Framework Programme, H2020-SC1-PHE-CORONAVIRUS-2020-2 Pan-European COVID-19 cohorts

*Project ID*

*Title* CONNECTING EUROPEAN COHORTS TO INCREASE COMMON AND EFFECTIVE RESPONSE TO SARS-COV-2 PANDEMIC: ORCHESTRA

*Role* **WP6 Member and Member of the Data Analysis Coordination Unit**

*Activity* Analysis of host genomics and organization and implementation of the molecular data flow

Ministero Italiano della Salute, Programma di Ricerca Finalizzata 2018

*Project ID* RF-2018-12366314

*Title* Whole Genome Sequencing into the diagnostic workflow of rare diseases: a cost-effectiveness evaluation in a heterogeneous population of patients with inconclusive Whole Exome Sequencing

*Role* **Task Coordinator**

*Activity* Supervision, design and implementation of the bioinformatic workflow for Whole Genome Sequencing data analysis

Trans-European Mobility Programme for University Studies 2013

*Project ID* EACEA Tempus IV MedGen

*Title* Developing Medical Genetics Education Through Curriculum Reforms and Establishment of postgraduate Training Programs

*Role* **Task Coordinator**

*Activity* Capacity-building activity through planning, design and implementation of workshops on analysis of Next Generation Sequencing data organized at coordinator site (Università di Bologna) and partner sites (Yerevan University and Tel Aviv)

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|  | University)   |
| Fondazione Telethon Call for Applications 2013   |   |
| <i>Project ID</i>  | GP13200A  |
| <i>Title</i>   | In-depth clinical and genetic study of familial and sporadic patients with Nocturnal Frontal Lobe Epilepsy (NFLE): identification of new genes by WES in 192 cases negative for mutations in the neuronal nicotinic acetylcholine receptor subunits genes |
| <i>Role</i>  | <b>Unit Coordinator</b>   |
| <i>Activity</i>  | Supervision of whole exome sequencing and targeted resequencing studies and statistical analysis of the data  |
| Fondazione Telethon Call for Applications 2010   |   |
| <i>Project ID</i>  | GP10089B  |
| <i>Title</i>   | Identification of new disease-causing genes in hereditary spastic paraplegia  |
| <i>Role</i>  | <b>Staff Member</b>   |
| <i>Activity</i>  | Analysis of whole exome sequencing data in families with recurrence of spastic paraplegia   |
| Fondazione Telethon Call for Applications 2010   |   |
| <i>Project ID</i>  | GP10121   |
| <i>Title</i>   | A new gene for inherited thrombocytopenias: clinical, pathogenetic and pharmacological studies  |
| <i>Role</i>  | <b>Staff Member</b>   |
| <i>Activity</i>  | Molecular and functional characterization of <i>ANKRD26</i> 5'UTR mutations in patients with inherited thrombocytopenia   |
| Ministero Italiano della Salute, Programma Giovani Ricercatori 2009  |   |
| <i>Project ID</i>  | GR-2009-1574072   |
| <i>Title</i>   | Classical and innovative strategies for the identification of genetic defects at the basis of rare forms of partial epilepsy  |
| <i>Role</i>  | <b>Principal Investigator, Project Coordinator</b>  |
| <i>Activity</i>  | Supervision of molecular genetic studies and statistical, bioinformatic analyses of genotyping, molecular karyotyping and next generation sequencing data in families with recurrence of focal epilepsy   |
| Ministero Italiano della Salute, Programma Strategico 2009   |   |
| <i>Project ID</i>  | RFPS-4-631972   |
| <i>Title</i>   | Genetic Bases of Birth Defects  |
| <i>Role</i>  | <b>Staff Member</b>   |
| <i>Activity</i>  | Candidate gene resequencing, homozygosity mapping, linkage analysis   |
| Ministero Italiano dell'Università e Ricerca, Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2006 |   |
| <i>Project ID</i>  | 2006063820_003  |

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*Title* Linkage studies in families with recurrence of a recessive form of hereditary spastic paraplegia and thin corpus callosum: analysis of the locus on chromosome 15q13-q15 and search for new disease loci

*Role* **Staff Member**

*Activity* Microsatellite genotyping, haplotype reconstruction, LOD score calculation, linkage analysis

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## **Organization of Conferences, Courses and Workshops**

### **Analisi e Interpretazione Dati nella Genomica Clinica**

*Held by* Società Italiana di Genetica Umana

*Location* Università Cattolica del Sacro Cuore, Roma, Italia (22/06/2018); Università di Genova, Genova, Italia (21/09/2018); Università di Bari, Bari, Italia (03/06/2019); XXII Congresso della Società Italiana di Genetica Umana, Catania (27/10/2019)

*Editions* -

*Years* 2018-2019

*Role* **Director and Workshop Instructor**

### **European School of Genetic Medicine course in NGS and Clinical Genomics**

*Held by* European Society of Human Genetics

*Location* CEUB, Bertinoro, Italia/On-line

*Editions* I-IV

*Years* 2017-2019, 2021

*Role* **Co-director and Workshop Instructor**

### **EACEA Tempus IV MedGen Project**

*Held by* Università di Bologna, Italia; Yerevan University, Armenia; Tel Aviv University, Israel

*Location* Policlinico di Sant'Orsola, Bologna, Italia (9-13, 16-25/11/2015); Yerevan State Medical University, Armenia (28/03-03/04/2016); Beilinson Hospital, Rabin Medical Center, Petah-Tikva, Israel (04-07/04/2016)

*Editions* -

*Years* 2015-2016

*Role* **Coordinator of training activities on Next Generation Sequencing data analysis and Bioinformatics; Workshop Instructor**

L'NGS nella diagnostica (22-23/10/2020); NGS, varianti geniche e studi funzionali (24-25/10/2019); NGS nel laboratorio di genetica umana (04-05/10/2018); NGS e le sue applicazioni (9-10/06/2016); Patologia Mendeliana e NGS (28-29/05/2015); NGS, NIPT, Real Time PCR (09-10/06/2014)

*Held by* Scuola Medica Ospedaliera

*Location* Various Locations, Roma, Italia/On-line

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| <i>Editions</i>  | -  |
| <i>Years</i>   | 2014, 2015, 2016, 2018, 2019, 2020                                 |
| <i>Role</i>  | <b>Faculty Member</b>  |
| European School of Genetic Medicine course in Next Generation Sequencing         |  |
| <i>Held by</i>   | European Society of Human Genetics                                 |
| <i>Location</i>  | CEUB, Bertinoro, Italia  |
| <i>Editions</i>  | III-V  |
| <i>Years</i>   | 2013-2016  |
| <i>Role</i>  | <b>Co-director and Workshop Instructor</b>                         |
| Corso di Alta Formazione in Elementi di Bioinformatica per l'Analisi di Dati NGS |  |
| <i>Organization</i>  | Azienda Ospedaliero-Universitaria Careggi, Regione Toscana, Italia |
| <i>Editions</i>  | I-IX   |
| <i>Years</i>   | 2011-2015  |
| <i>Role</i>  | <b>Co-director, Seminar Speaker and Workshop Instructor</b>        |

## Teaching Experience

Professore a contratto (Lecturer)

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|-----------------------------------|--|
| <i>Institution</i>                | Università di Bologna  |
| <i>Course</i>                     | <b>Medical Genomics</b> (Settore concorsuale MED/03)<br>Ore annuali (Hours per year): 62; CFU: 6                   |
| <i>Academic Years</i>             | 2019-2020, 2020-2021, 2021-2022  |
| <i>Program</i>                    | Laurea Triennale in Lingua Inglese in <b>Genomics</b><br>(BsC in <b>Genomics</b> held in English)                  |
| Professore a contratto (Lecturer) |  |
| <i>Institution</i>                | Università di Bologna  |
| <i>Course</i>                     | <b>Medical Genetics</b> (Settore concorsuale MED/03)<br>Ore annuali (Hours per year): 32                           |
| <i>Academic Years</i>             | 2017-2018, 2018-2019, 2019-2020  |
| <i>Program</i>                    | Diploma di Specializzazione in <b>Genetica Medica</b><br>(Postgraduate Specialization in <b>Medical Genetics</b> ) |

Professore a contratto (Lecturer)

|                       |  |
|-----------------------|--|
| <i>Institution</i>    | Università di Firenze  |
| <i>Course</i>         | <b>Genomica ed epigenomica applicata alla clinica</b> (Settore concorsuale MED/03)<br>Ore annuali (Hours per year): 18; CFU: 3 |
| <i>Academic Years</i> | 2020-2021  |
| <i>Program</i>        | Master di II livello in <b>Biomedicina Computazionale</b>  |

## Supervising and Tutoring Experience

**Tutoring** of PhD students in the *Data analysis and interpretation in molecular medicine: from databases to artificial intelligence* Course – Module 1: Genomics (20-21/06/2019), Programs in “Medicina Traslazionale” and “Bioingegneria e Bioinformatica”, University of Pavia, Pavia, Italia

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## Correlatore (Co-advisor) for:

- M.D. thesis entitled *Analisi di dati di Next Generation Sequencing nell'indagine diagnostica delle epilessie*, Corso di Laurea in Medicina e Chirurgia, A.A. 2019/2020, Università di Bologna, Italia
- B.Sc. thesis entitled *Epilessia parziale con aura uditiva: studio del coinvolgimento di mosaicismi somatici nel gene LGI1*, Corso di Laurea Triennale in Biotecnologie, A.A. 2015/2016, Università di Bologna, Italia
- M.Sc. thesis entitled *Comparazione della performace di variant caller per l'identificazione di SNV a mosaic da dati di Next Generation Sequencing in trio*, Corso di Laurea Magistrale in Biotecnologie Mediche, A.A. 2015/2016, Università di Bologna, Italia

## Relatore (Advisor) for:

- B.Sc. thesis entitled *Accurate identification of low allelic frequency mosaicism in targeted sequencing experiments*, Corso di Laurea Triennale in Genomics, A.A. 2019/2020, University of Bologna, Italia
  - B.Sc. thesis entitled *Calling copy number variations in a collection of 281 exomes from patients with epileptic disorders*, Corso di Laurea Triennale in Genomics, A.A. 2020/2021, University of Bologna, Italia
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## Talks at Conferences and Congresses

*Selected by the Scientific Program Committees*

### **SSBP1 mutations cause a complex optic atrophy spectrum disorder with mitochondrial depletion**

European Society of Human Genetics Conference 2019  
15-18/06/2019  
Gothenburg, Sweden

### **A homozygous truncating NOTCH3 gene mutation is associated with arteriopathy and cavitating leukoencephalopathy**

VIII International Congress on Vascular Dementia  
17-20/10/2013  
Athens, Greece

### **H3M2: an algorithm for the detection of biologically meaningful ROHs from NGS data**

XVI Congresso della Società Italiana di Genetica Umana  
25-28/09/2013  
Roma, Italia

### **Mendelian inheritance as a filtering strategy**

XV Congresso della Società Italiana di Genetica Umana  
21-23/11/2012  
Sorrento, Italia

### **X-chromosome exome in ultrarare disorders**

XIV Congresso della Società Italiana di Genetica Umana:  
13-16/11/2011  
Milano, Italia

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## **Mutations in the 5' UTR of ANKRD26, the Ankirin Repeat Domain 26 Gene, cause an Autosomal-Dominant form of inherited Thrombocytopenia, THC2**

European Society of Human Genetics Conference 2011

28/05-01/06/2011

Amsterdam, the Netherlands

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*As Invited Speaker*

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## **Exome sequencing: from theory to practice with a focus on epilepsy and rare neurodevelopmental disorders**

Catania International Summer School of NeuroScience in *Neurogenetics and*

*Neurogenomics*

22-26/07/2019

Catania, Italia

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## **Strategie d'analisi per le malattie autosomiche recessive e X-linked**

XVIII Congresso della Società Italiana di Genetica Umana

21-24/10/2015

Rimini, Italia

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## **Sequenziamento esomico per la ricerca di nuovi geni-malattia: resa diagnostica e criteri di inclusione dei pazienti**

XVII Congresso della Società Italiana di Genetica Umana

30-31/10/2014

Bologna, Italia

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## **Whole exome sequencing, homozygosity, autozygosity**

European Biotechnology Thematic Network Association Congress

15-18/05/2014

Lecce, Italia

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## **EX-HOM: exome sequencing in small consanguineous pedigrees**

European Biotechnology Thematic Network Association Congress

28/09-01/10/2011

Istanbul, Turkey

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## **Awards**

*Fellowships*

European Molecular Biology Organization **Short Term Fellowship** for a 3-months visit (June-September 2017) to Dr. Erin Heinzen Laboratory, Institute for Genomic Medicine, Columbia University, New York, N.Y., USA with a project on the *Identification of brain-specific mosaic mutations in malformations of cortical development and epilepsy*

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*Grants*

Ministero Italiano della Salute, **Programma Giovani Ricercatori (Young Investigator Award)** 2009, Project GR-2009-1574072 entitled "Classical and innovative strategies for the identification of genetic defects at the basis of rare forms of partial epilepsy"

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**Fondazione Telethon Call for Applications 2013**, Project GP13200A entitled "In-depth clinical and genetic study of familial and sporadic patients with Nocturnal Frontal Lobe Epilepsy (NFLE): identification of new genes by WES in 192 cases negative for mutations in the neuronal nicotinic acetylcholine receptor subunits genes"

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## **Honors**

Abilitazione Scientifica Nazionale a Professore di II Fascia (Scientific Qualification as

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Associate Professor in **Genetica Medica (06/A1) (Medical Genetics)**, **Genetica (05/I1) (Genetics)**, **Biologia Applicata (05/F1) (Applied Biology)**

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## Memberships

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2016- Lega Italiana Contro l'Epilessia

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27/01/2016- Albo dell'Ordine Nazionale dei Biologi

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2017- Società Italiana di Genetica Umana

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## Engagement in Public Understanding of Genetics

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- **Annual Lecture** on topics related to the use of DNA sequencing technologies and analysis in medicine to the students of the Istituto Tecnico Tecnologico Statale "Guglielmo Marconi", Forlì (FC), 2018, 2019, 2020, 2021
  - **Article** entitled *Anche i virus sbagliano*, published in Focus Junior, n°3 March 2021
  - **Lecture** entitled *Gli studi di Genetica*, 3<sup>rd</sup> European Workshop on Pallister-Killian syndrome organized by "Associazione Italiana Sindrome di Pallister-Killian", 6-8/09/2019, Sassuolo (MO), Italia
  - **Lecture** entitled *Dalle medicine per tutti alla Medicina Personalizzata - Come la scienza sta cambiando l'utopia della salute*, invited by Associazione "Amici della Primo Levi Valle del Reno", 23/02/2018, Casalecchio di Reno (BO), Italia
  - **Cycle of Conferences** entitled *Si nasce o si diventa? Fino a che punto siamo condizionati dai nostril geni?*, invited by Università Primo Levi, 08-29/03/2017, Castiglione dei Pepoli (BO), Italia
  - **Lecture** entitled *Geni in vendita. Quanto vale il nostro DNA?*, organized by Associazione "Amici della Primo Levi Valle del Reno", 07/10/2016, Casalecchio di Reno (BO), Italia
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## Service

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### *Editorial activities*

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2019-2020 **Review Editor** for *Frontiers in Genetics* and *Frontiers in Pediatrics*, Section *Genetics of Common and Rare Diseases*

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2020- **Associate Editor** for *Frontiers in Genetics* and *Frontiers in Pediatrics*, Section *Genetics of Common and Rare Diseases*  
**Reviewer** for *Bioinformatics*, *BMC Medical Genetics*, *Brain*, *Clinical Genetics*, *Epilepsia*, *Epilepsy Research*, *European Journal of Human Genetics*, *Gene*, *Human Heredity*, *Human Genomics*, *Human Mutation*, *Genes and Frontiers in Pediatrics*

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### *Scientific Societies*

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2019 European Society of Human Genetics Conference, **Abstract Evaluator**

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2018 European Society of Human Genetics Conference, **Member of the Poster Jury**

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2017 XX Congresso Nazionale di Genetica Umana, **Member of the Scientific Program Committee**

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2016- Lega italiana Contro l'Epilessia, **Member of the Commissione**

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## Genetica (Genetic Committee)

### Scientific Impact

ORCID ID: 0000-0001-7737-7963

Scientific Communications published as Articles, Reports, Letters, Reviews on international scientific peer-reviewed journals: 94

Published as 1st Author: **11**

Published as Corresponding/Last Author: **12**

Global Impact Factor (IF): **574,571**

Mean IF: **6,11**

H-Index (Source: SCOPUS): **28**

Total Citations (Source: SCOPUS): **2615**

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### Selected publications

**Pippucci T**, Savoia A, Perrotta S, Pujol-Moix N, Noris P, Castegnaro G, Pecci A, Gnan C, Punzo F, Marconi C, Gherardi S, Loffredo G, De Rocco D, Scianguetta S, Barozzi S, Magini P, Bozzi V, Dezzani L, Di Stazio M, Ferraro M, Perini G, Seri M, Balduini CL. *Mutations in the 5'UTR of the ankirin repeat domain 26 gene (ANKRD26) cause an autosomal dominant form of inherited thrombocytopenia (THC2)*. American Journal of Human Genetics, 2011 Jan 7;88(1):115-20.

**Pippucci T\***, Maresca A\*, Magini P, Cenacchi G, Donadio V, Palombo F, Papa V, Incensi A, Gasparre G, Valentino ML, Preziuso C, Pisano A, Ragno M, Liguori R, Giordano C, Tonon C, Lodi R, Parmeggiani A, Carelli V, Seri M. *Homozygous NOTCH3 null mutation and impaired NOTCH3 signaling in recessive early-onset arteriopathy and cavitating leukoencephalopathy*. EMBO Mol Med. 2015 Apr 13;7(6):848-58

Magi A\*, Tattini L\*, Palombo F, Benelli M, Gialluisi A, Giusti B, Abbate R, Seri M, Gensini GF, Romeo G, **Pippucci T**. *H3M2: detection of runs of homozygosity from whole-exome sequencing data*. Bioinformatics. 2014 Oct 15;30(20):2852-9.

Magini P, Smits DJ, Vandervore L, Schot R, Columbaro M, Kasteleijn E, van der Ent M, Palombo F, Lequin MH, Dremmen M, de Wit MCY, Severino M, Divizia MT, Striano P, Ordenez-Herrera N, Alhashem A, Al Fares A, Al Ghamdi M, Rolfs A, Bauer P, Demmers J, Verheijen FW, Wilke M, van Slegtenhorst M, van der Spek PJ, Seri M, Jansen AC, Stottmann RW, Hufnagel RB, Hopkin RJ, Aljeaid D, Wiszniewski W, Gawlinski P, Laure-Kamionowska M, Alkuraya FS, Akleh H, Stanley V, Musaev D, Gleeson JG, Zaki MS, Brunetti-Pierri N, Cappuccio G,

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Davidov B, Basel-Salmon L, Bazak L, Shahar NR, Bertoli-Avella A, Mirzaa GM, Dobyns WB, **Pippucci T**§, Fornerod M, Mancini GMS§. *Loss of SMPD4 Causes a Developmental Disorder Characterized by Microcephaly and Congenital Arthrogyrosis*. Am J Hum Genet. 2019 Sep 5. pii:S0002-9297(19)30309-X.

Del Dotto V, Ullah F, Di Meo I, Magini P, Gusic M, Maresca A, Caporali L, Palombo F, Tagliavini F, Baugh EH, Macao B, Szilagyi Z, Péron C, Gustafson MA, Khan K, La Morgia C, Barboni P, Carbonelli M, Valentino ML, Liguori R, Shashi V, Sullivan JA, Nagaraj S, El-Dairi M, Iannaccone A, Cutcutache I, Bertini E, Carrozzo R, Emma F, Diomedi-Camassei F, Zanna C, Armstrong M, Page MJ, Boesch S, Wortmann SB, Kopajtich R, Stong N, Sperl W, Davis E, Copeland WC, Seri M, Falkenberg M, Prokisch H\*, Katsanis N\*, Tiranti V\*, **Pippucci T**\*§, Carelli V§\*. *SSBP1 mutations cause mtDNA depletion underlying a complex optic atrophy disorder*. J Clin Invest. 2019 Sep 24. pii: 128514.

\* Equal contribution

§ Corresponding Author

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