

## PERSONAL DETAILS

## FERDINANDO PATERNOSTRO



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**Date of birth** 09/08/1966 Castrovillari (CS) | **Nationality** Italian

**Medical Association Register** of Florence 15058

**Associate Professor** SSD BIOS-12/A - Human anatomy belonging to the GSD 05/BIOS-12 - HUMAN ANATOMY

at the Department of Experimental and Clinical Medicine of the School of Human Health Sciences - Anatomy and Histology Section - University of Florence, (*defined time*).

## POSITION HELD

**Qualification as Full Professor PO BIO/16** (from June 2023)

**Scientific director of numerous cadaveric anatomy courses**

**Editor-in-chief of the Italian Journal of Anatomy and Embryology (IJAE)** (since 2019)

**Creator and curator of the “Anatomy for Everyone” project**, a scientific dissemination portal.

## PROFESSIONAL EXPERIENCE

- **Associate Professor** of Methods and Teaching of Sport Activities (M-EDF 01) from 3/1/2020 to 10/31/2023
- **Confirmed University Researcher of Human Anatomy**, full time (from 1 January 2005 to 29 February 2020) at the Department of Experimental and Clinical Medicine of the School of Human Health Sciences - Section of Anatomy and Histology - University of Florence.
- **Responsible for Orientation** of the Faculty of Medicine and Surgery, then of the School of Human Health Sciences (2009-2016)
- **Head of PTCO** (Transversal Paths for Skills and Orientation) School of Human Health Sciences (2019-21)
- **Contract professor** of the "Functional Anatomy" module at the Specialist Degree Course in Sports Science and Technique of the Faculty of Medicine and Surgery of the University of Florence (2003).
- **Head of the Communication and Interaction Office** with the Territory of the Biomedical Center of the University of Florence (from April 2002 to December 2004).
- **Dissection Room Technician** at the Anatomy Section of the Department of Anatomy, Histology and Forensic Medicine of the University of Florence (from April 1997 to March 2002)
- **IT Services Technician** of the University for Foreigners of Siena (from January to March 1997)

## EDUCATION AND TRAINING

- **Classical high school diploma**, High School Gymnasium Galileo of Florence (60 /60)
- **Degree in Medicine and Surgery** (UNIFI, 110/110 and honors) with a thesis entitled: Computer Science and Medicine: potential and prospects in the study of morphological disciplines.
- **Licensed to practice Medicine**
- **Master** "Designer and manager of online training", Faculty of Education Sciences - Engineering, University of Florence (2003).
- **Specialization** course "Innovative microscopies for biotechnology", at the Department of Anatomy, Histology and Forensic Medicine of the University of Florence (2002).
- **Specialization** Course "Clinical Anatomy of the cervical spine and shoulder", Faculty of Medicine and Surgery of the University of Padua (2005).
- **Specialization** course "Fundamentals of confocal laser scanning microscopy", at the Department of Anatomy, Histology and Forensic Medicine of the University of Florence (2011)
- **Master** in Aesthetic Medicine (Esneca, ES 2020)
- **GAIN** (GALDERMA. Anatomy Masterclass 2022, Verona)
- **Course** "Digital anatomy events" CILEA, Milan (2002)
- "Human nutrition and diet therapy" **course**, Nutrimedfor, Florence (2014)
- "Update in dissection anatomy" **course**, ICLO Arezzo (2014)
- **Course** "Benefits and harm from sports", I.A.L.T. Prato (2016)
- **Course** "Dietology, physical activity and prevention of chronic diseases", SIFA, Milan (2018)
- **BLSD June** 2018, June 2021
- **BLSD and Covid-19** what changes? The new international guidelines (training event n. 296141 edition n. 2020)
- **BLS- D. BLSD** – ACADEMY instructor, patent number 090803 of 3 July 2021

## PERSONAL SKILLS

Mother tongue Italian

Other languages

ENGLISH

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B1	B2	C1

Communication skills

- Excellent communication skills, practiced in over 20 years of teaching activity, private first, university since 2002. Between the ages of 18 and 25, radio speaker and television presenter for various local broadcasters
- Able to explain and disseminate complex topics through simple and clear messages.
- Current use of the main ICT presentation technologies

Organisational and management skills

- Proven organizational and management skills: Head of Faculty Orientation. Head of the Communication and Interaction Office with the Territory of the Biomedical Center of the University of Florence, Second Lieutenant, responsible for the Transport Platoon of the Military Geographic Institute, Florence.
- Very well organized, oriented towards goals, time management and priorities. Proactive, flexible and easy to adapt to changing priorities. "Team player and coordinator" with ability to work independently.

Professional skills

- Teacher of Human Anatomy
- Teacher of Methods and Didactics of Sport Activities..

- Online teaching expert
- Surgeon, Dissector, Nutritionist
- Researcher
- BLS-D instructor

## RESEARCH

### Main lines of research

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- Morphofunctional aspects of the BBB (Blood Brain Barrier)
  - Neurotoxic effects of Cadmium and Oxaliplatin. Protective effect of Zinc
  - Analysis of the biomechanics of the body through anatomical networks
  - Physical activity and prevention of complications of chronic diseases
  - Development and analysis of IT supports for teaching.
  - Macroscopic anatomy of organs and vascular trunks and study of variants, even in dissection
  - In vivo anatomical-functional evaluation of organs and systems with the use of the most recent imaging techniques.
  - Study of the effects on pulmonary mechanics of oxidative stress induced by different treatments.
  - In vivo study of integrated dermal supports for tissue repair and regeneration.
  - History of Medicine, with particular attention to the study of anatomical collections and the history of anatomy .

### Participation in funded projects

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- PRIN: Interaction of stem cells and biomaterials for the development of experimental models of regenerative medicine 2008
  - Home automation and training environments. The university inclusion of students with motor disabilities. Tuscany Region, 2010
  - Post-damage muscle regeneration: role of mesenchymal stromal cells and telocytes. Translational perspectives in regenerative medicine.
  - Institution Ente Cassa di Risparmio di Firenze, Florence. 2014

### Peer reviewer for

- 
- Anatomy Research International
  - Anatomical Science International
  - Antioxidants
  - Asian Journal of Education and Social Studies
  - Asian Journal of Research and Reports in Neurology
  - Clinical Anatomy
  - JMCR – Journal of Medical Case Report
  - Journal of Clinical Medicine
  - Italian Journal of Anatomy and Embryology
  - International Journal of Molecular Science
  - Nutrients
  - Symmetry
  - Plants

## UNIVERSITY OF FLORENCE TEACHING

### Three-year, master's and specialist degree courses , SISS

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- **Medicine and Surgery :**
    - professor of macroscopic, microscopic and sectoral anatomy in the C.I. of Human Anatomy (from the academic year 2006/07 to today);
    - responsible for the ADE Course "Topographic and surface anatomy" (from the academic year 2014-15 and 2015-16)
    - responsible for the ADE Course "Anatomy of the specific sensitivity systems: sight and hearing" (from the 2006/07 academic year to the 2012-13 academic year);
    - responsible for the ADE Course "Anatomy of the visual system" A.A.

- 2004/05 and 2005/06)
  - Head of the **ADE UNIFI** Disscetion Anatomy Courses at ICLO- Arezzo (from 2015 to 2019)
  - **Physical Education, Sport Sciences, Sport and Health:**
  - teacher of the Theory, technique and teaching course of Motor Activity for the developmental, adult and elderly age (from 2021 to today)
  - in charge of the Anatomy of Movement course (A.Y. 2005/06)
  - teacher in the C.I. of Human Anatomy (from the academic year 2006/07 to today)
  - teacher Theory, technique and teaching of preventive and compensatory motor activity (from the academic year 2006/07 to 2019-20)
  - **Sciences and techniques of sport and preventive and adapted physical activities**
  - teacher of Adapted Physical Activities (from the 2020-21 academic year to today)
  - teacher in the C.I. of Biomedical Disciplines Anatomy (from the 2016-17 academic year)
  - **Sports Science and Techniques**
  - contract professor of the “Functional Anatomy” module (A.Y. 2003-04).
- **SSIS Specialization School for Secondary Teaching**
  - Responsible for the Biomedical Disciplines Course of the Sports Sciences specialization (classes 29/A, 30/A) of the SSIS headquarters in Florence
  - In charge of human morphology in the Biomedical Disciplines course of the Sports Sciences branch (classes 29/A, 30/A) of the Florence branch (2007-2009)
- **Nursing:**
  - responsible (since 2004) for teaching human anatomy at the teaching centers of Borgo San Lorenzo, Empoli, Lagonegro, Prato, Florence.
  - coordinator of the integrated course Morphological and Functional Sciences Florence-Prato (until the 2016-17 academic year), then Florence (2017-18), then Prato (2018-19)
- **Physiotherapy:**
  - responsible for teaching Human Anatomy (from the 2009-10 academic year to today)
  - in charge (A.Y. 2005/06) of the teaching of Human Anatomy (from the A.Y. 2006/07 to the A.Y. 2011-12) in the C.I. of Human Anatomy and Histology of the C.d.L. in **Physiotherapy (for the blind)**;
  - Holder of the ADE Course “Anatomy of the visual system” in the A.Y. 2005/06 and 2006/07 in the C.d.L. in **Physiotherapy (for the blind)**;
- **Biotechnology:**
  - in charge of teaching Human Morphology II (from the academic year 2011-12 to 2019/20)
- **Medical radiology techniques, imaging and radiotherapy:**
  - in charge of teaching in the C.I. of Human Anatomy (from the academic year 2009/10 to the academic year 2011-12 and then from the academic year 2016/17 to 2019/20)
- **Obstetrics:**
  - in charge of teaching Human Anatomy (from the 2009/10 academic year to the 2011-12 academic year)
- **In charge of teaching human anatomy in specialization schools**
  - **Respiratory system diseases:** (from the 2009/10 academic year)
  - **Pediatrics:** (from the 2010/11 academic year)
  - **Ophthalmology:** (from the 2014/15 academic year)
  - **Plastic Surgery:** (from the 2011/12 academic year to the 2012-13 academic year)
  - **Medical physics:** (from the 2016/17 academic year)
- **In charge of teaching Human Anatomy in the Masters**
  - Nursing in the prevention and treatment of skin lesions.
  - Interventional pulmonology .

- Psychopedagogy and teaching for students with autistic disorder.
- Didactics and psychopedagogy for specific learning disorders
- Teacher of the specialization course
- Evaluation of body composition

*Supervisor and co-supervisor for numerous degree thesis for the Degree Courses in Sports Sciences (three-year and specialist) in Medicine and Surgery, Physiotherapy, Nursing, Master in Nursing in the prevention and treatment of skin lesions.*

### **THIRD MISSION**

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#### **UNIVERSITY OF THE FREE AGE MUNICIPALITY OF FLORENCE**

- 2008-09: The digestive system from birth to old age
- 2013-14, 2014-15: Motor activity in free age
- 2015-16: Anatomical and artificial intelligences
- 2016-17, 2017-18: Fifty words to understand the new Medicine
- 2018-19 Gender medicine
- 2019-20 The Anatomy of the senses
- 2020-21 Physical activity (and correct lifestyles) in free age".
- 2021-22 Clinical Anatomy Pills, knowing to preserve
- 2022-23 Biomedical language: The value of science and care in words
- 2023-24 How scientific research in the medical field influences our daily lives

#### **PIANETA GALILEO, GALILEO PLANET, Tuscany Region**

- "Anatomy, instructions for use" (2012, 2014 editions)
- Anatomical and artificial intelligences (2016 edition)
- Appointment of the lateral third of the tuba (2017 edition)
- Mirror neurons (2022, 2023 edition)
- Evolutionary strategies and mirror neurons how to preserve brain health (2024 edition)

#### **MEDICAL ASSOCIATION OF THE PROVINCE OF FLORENCE**

- Biomedical Curvature (2024 Edition)

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### **OTHER EDUCATIONAL ACTIVITIES**

#### **ICLO, Teaching and Research Center Verona**

- Scientific responsible for numerous Sectoral Anatomy courses (since 2020).
- Anatomy Lab Project, "hands on" dissection courses for students of Medicine and Surgery, Nursing, Physiotherapy, Exercise Sciences and Health Professions from all over Italy  
<https://ferdinandopaternalnostro.com/2021/06/10/dissections/>
- Scientific director of the course **Obstetric anatomy of the pelvis and operative birth** (2022)
- **SIAGASCOT SCHOOL OF ANATOMY** (from 2022)
- **CADAVERLAB AND ULTRASOUND OF MUSCLE AND NERVE FOR NEUROREHABILITATION. UPPER AND LOWER LIMB: STUDY AND DISSECTION VERIFICATION PROTOCOLS (SINCE 2017)**

#### **UNIVERSITY OF CAMERINO, UNITO**

Member of the Faculty of Master in Aesthetic Medicine, Therapeutics (2022, 2023)

#### **CATHOLIC UNIVERSITY OF SACRED HEART (ZKM. Tirana)**

Specialization Courses "Surface Anatomy and Palpatory Techniques" for Physiotherapy Students and Physiotherapists (from 2022)

**UNIVERSITY OF MILAN – LA STATALE**

International Master in Peripheral Nervous System Disorders – II Edition (2022)

**UNIVERSITY OF PALERMO****EXECUTIVE MASTER II LEVEL OF THYROID SURGERY**

Dissectional anatomy of the thyroid (2023)

**MATER II LEVEL TOTAL, PARTIAL, SCREWED MOBILE PROSTHESIS** (june '24)**HUMANITAS UNIVERSITY – HUMANITAS EDU**

Faculty member. Courses Ultrasound of muscle and nerve of the limbs in neurorehabilitation. Cadaver lab Cervical dystonia and ultrasound (2022, 2023)

**CADAVERLAB** Dissectional and ultrasound anatomy of the musculoskeletal system and the peripheral nervous system of the limbs useful for the diagnosis and treatment of spasticity (June 2024). Marc Institute, Milan

**PHISIOVIT, Viterbo**

- Scientific Responsible for ECM Courses in Palpatory and Surface Anatomy (since 2017), Sectoral Anatomy of the Locomotor System (since 2018)
- Scientific Manager of FAD ECM Courses in Clinical Neuroanatomy, Topographic and Palpatory Anatomy, Clinical Biomechanics

**AMA Advanced Manual Treatment Academy (Busto Arsizio, MI)**

Anatomical dissections for Osteopaths (from 2020)

**CAMPLUS**

Scientific Director of Dissectional Anatomy Courses on Cadavers (since 2019)

**FISIOONELAB, Parma**

- “Exploring the paths of the Body”. Palpatory and surface anatomy (2016)

**IMPARA ORA (Firenze, Livorno, Navacchio, Vinci)**

- Regional professional training and refresher courses for beauticians, tattoo artists, ASA, Piercers, security workers. First Aid and refresher courses (from 2018 to today).
- **ERREFFE SCHOOL - REALI PASCAL (Florence), DORA BRUSCHI (Florence) ACADEMY OF ESTETICA (Prato), ACCADEMIA I SANTINI (Empoli), CONFARTIS (Florence), APAB (Florence), FORMATICA (Prato)**
- Regional professional training and refresher courses for beauticians, tattoo artists and piercers.

**BLS-D INSTRUCTOR; CORPORATE FIRST AID****IT SKILLS**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent User	Independent User	Independent User	Independent User	Independent User
ECDL				



- excellent command of office suite tools (word processor, spreadsheet, presentation software)
- good command of programs for digital image processing
- good command of statistical analysis software
- good command of programs for creating pages and websites

Driving licence B

## ADDITIONAL INFORMATION

Projects  
Conferences  
Seminars  
Honors and awards  
Membership in  
groups/associations  
References  
Mentions

- Scientific manager of the **NAUTA Project**, (New Three-Dimensional Human Anatomy Atlas), admitted to the pre-incubation services of the Florentine University Incubator (IUF, XVI call)
- Winner of the Poster Award at the 72nd Congress of the Italian Society of Anatomy and Histology and of the Special Mention of the Poster Commission at the 73rd Congress of the Italian Society of Anatomy and Histology
- responsible for the School-Work Alternation Project of the School of Human Health Sciences, UNIFI (from 2019 to 2021)
- delegate of the Degree Course in Exercise Sciences, Sport and Health in the Student Teaching Joint Commission of the School of Human Health Sciences, UNIFI (from 2020 to 2021)
- founding member of the Laboratory of Sports Science for Medicine
- member of the Scientific Council of the University Study and Research Center for disability issues (from 2005 to 2018);
- member of the Medical Humanities Center of the University of Florence (from 2007 to 2017);
- member of the teaching commission of the C.d.L. in Nursing (from 2009 to 2018);
- member of the teaching commission of the C.d.L. in Physiotherapy (since 2011)
- member of the teaching commission of the C.d.L. in Sports Sciences (2008-2010).
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- member of the Italian Society of Anatomy and Histology (SIAI) since 2005;
- enrolled in the Human Anatomy Teaching Board from 2022
- member since 2011 of the Italian Society of Medical Pedagogy (SIPeM)
- member since 2015 Honorary Member of C.A.M.O., Motor Activities Centre
- member since 2022 of SIDCO, Italian Society of Surgical and Oncological Dermatology
- member since 2018 and vice-president (2018-2023) of the Anatomy Association
- member since 2024 of the Italian Society of Experimental Biology SIBS 1925

**Invited speaker at numerous conferences on functional anatomy topics.  
The most recent ones ....**

- Educating about sexuality. LET'S KNOW US BETTER (Mormanno -CS- 24 September 2005)
- We are Health - North West Tuscany Local Health Authority (Pontedera, May 2017)
- Gender physical activity for the health of women gender physical activity for the health of women - III National Conference (Pietrasanta, October 2019)
- Senile kyphotic posture and biomechanical damage adapted gender physical activity c.a.mo method
- First Italian Seminar on Fascia Corporis. Anatomy, diagnosis and treatment (Montecatini Terme 18/9/21)
- Osteopathy Festival (Parma 20/6/22)
- The networks of life. From anatomical complexity to movement
- SIDCO, Italian Society of Surgical and Oncological Dermatology (XXXIII National Congress, Viareggio 2021)
- Surgical Anatomy of the Face
- SIDCO, Italian Society of Surgical and Oncological Dermatology (XXXIV National Congress, Viareggio 2022)

- Surgical Anatomy of the Face Advanced Abdomino-pelvic Surgery Course (Macerata, May 2022)
- Clinical anatomy of the Perineum
- 5th Residential Practical Course in Dermosurgery (SIDCO Viareggio, 2022)
- SIDCO, Italian Society of Surgical and Oncological Dermatology (XXXV National Congress, Turin 2023)
- Topographic Anatomy of the Face and Dangerous Points
- SIAGASCOT (2nd Annual Meeting, Milan April 2023)
- Anatomical variants of the knee and shoulder
- SIOT 106th NATIONAL CONGRESS (Rome, 9 - 11 November 2023)
- Anatomical particularities of the shoulder
- THE TREATMENT OF JOINT INSTABILITY (Mogliano Veneto, 2 December 2023)
- The femoro-tibial anatomy - The glenohumeral anatomy
- SIAGASCOT (3rd Annual Meeting, Bari March 2024)
- Current affairs in Clinical Anatomy
- SIDCO, Italian Society of Surgical and Oncological Dermatology (XXXVI National Congress, Sanremo 2024)
- Topographic Anatomy of the Face and Dangerous Points
- STUDY DAY IN REHABILITATION (Mormanno -CS- 20 April 2024)
- Aging and Parkinson's
- Organ donation and body donation
- (Circoscienza – University of Palermo, May 2024)
- EXPERIMENTAL BIOLOGY MEETS... THE FUTURE OF RESEARCH IN SURGERY. (SIBS-1925), Palermo, May 2024

*In compliance with the Italian legislative Decree no. 196 dated 30/06/2003 and with art.13 GDPR (UE 2016/679), I hereby authorize to use and process my personal details contained in this document. The undersigned FERDINANDO PATERNOSTRO is aware that false declarations entail the application of the criminal sanctions provided for by the art. 76 of the Presidential Decree 445/2000, declares that the information reported in the following curriculum vitae, drawn up in European format, corresponds to the truth.*

Florence, 17 April 2024

**LIST OF PUBLICATIONS ATTACHED**