



*Neurosciences*  
INTERNATIONAL MASTER DEGREE

# Information and enrollment

All you need to know to choose our International Master Degree – Be International even in Palermo



## International Integrated Course

Our teaching program is created for open-minded students who want to study in English and be ready to work in Italy and abroad reaching high levels of knowledge and education

### To be different



#### All in English level C1 - IELTS

Our courses are taught completely in English. You will have the possibility to improve your English and obtain a C1 level Certificate



#### Applied Research

Our laboratories are equipped with up-to date instruments and students spend their last 6 months in a Research Laboratory abroad



#### BIO and MED integrated Courses

Human Anatomy, Neuroanatomy, Neurophysiology, Neuro-biochemistry, Neurobiology, Neurology, Neuro-radiology



#### Italian language for foreign students

Non-Italian speaking students will study Italian as a foreign language and will have a certificate for the level reached, useful to work in Italy



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## STAFF



**Valentina Di Felice**

Coordinator

Associate Professor of Human  
Anatomy



**Giuseppe Giglia**

Physiology

Adjunct Professor of Physiology



**Alice Conigliaro**

Cell Biology

Associate Professor of Cell Biology



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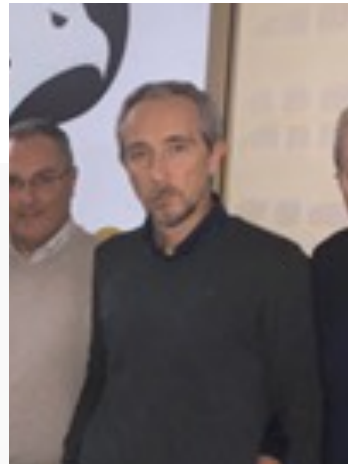
## STAFF



**Francesco Cappello**

Neuroanatomy

Full Professor of Human Anatomy



**Pierangelo Sardo**

Neurophysiology

Full Professor of Physiology



**Massimiliano Oliveri**

Psicobiology

Full Professor of Psychological,  
Pedagogical, Physical Exercise and  
Training Sciences





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## STAFF



**Sonia Emanuele**

Neurobiochemistry

Associate Professor of Biochemistry



**Salvatore Vitabile**

INFORMATION PROCESSING  
SYSTEMS IN NEUROSCIENCES

Associate Professor ING-INF/05



**Sergio Salerno**

APPLIED MEDICAL TECHNICAL  
SCIENCES

Associate Professor of Applied  
medical technical sciences



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## STAFF



**Bruna Lo Sasso**

Clinical Biochemistry

Associate Professor of Clinical  
Biochemistry



**Cesare Gagliardo**

Neuroradiology

Adjunct Professor of Neuroradiology



**Vincenzo La Bella**

Neurology

Full Professor of Neurology



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## STAFF



**Francesco Dieli**

Neuropathology

Full Professor of Neuropathology



**Carla Cannizzaro**

Neuropharmacology

Full Professor of Pharmacology



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## Valentina Di Felice

### **HUMAN ANATOMY – [link to the teaching program](#)**

Prof. Valentina Di Felice is an Associate Professor of Human Anatomy. She works at the Biomedicine, Neurosciences and Advanced Diagnostics at the University of Palermo. Principal investigator and participant in several funded projects, among which PRIN2009 and PRIN2012 fundings for the study of cachexia and "muscle wasting". Author of more than 45 articles published in international, peer-reviewed journals. Inventor of the Patent "Physiactisome" a new drug against cachexia and founder of the Start-up iBioTHex (Innovation and Biotechnology for Health and Exercise) which won the Third price at the Jumpstarter EIT Health competition in 2019. She also developed DynamicRow a web app able to contrast coronavirus infection and manage University staff and students, winning the first price in the University Challenge competition within the EIC – EuVsVirus Hackathon 2020, now involved in the EIC community and activities.

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<https://www.facebook.com/ValentinaDiFeliceResearchGroup>

<https://www.facebook.com/dynamicrow>

<https://www.facebook.com/ibiothex>

<https://publons.com/researcher/2875636/valentina-di-felice/>





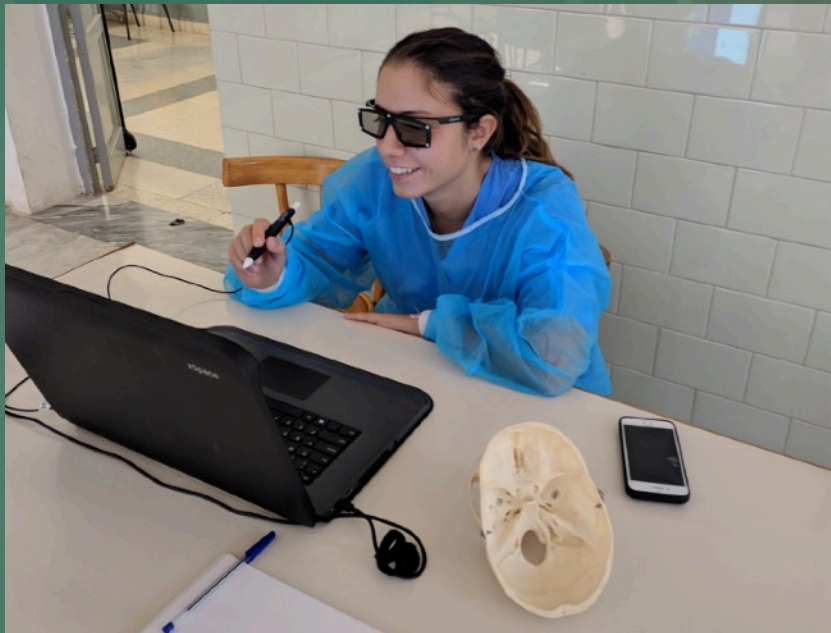
# School of Medicine

## Department of Biomedicine, Neurosciences and Advanced Diagnostics

Prof. Valentina Di Felice BSc, PhD, practice in Human Anatomy



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## Giuseppe Giglia

### **PHYSIOLOGY – [link to teaching program](#)**

Since his Medicine and Surgery studies, DR Giglia focused his interest on cognition and brain physiology using Non Invasive Brain Stimulation (NIBS) technologies. He graduated cum Laude in 2002 with an experimental thesis on the topic of NIBS as experimental treatment of drug resistant epilepsy. His research activity continued also during Neurology speciality and PhD courses, gaining more knowledge on Transcranial Magnetic Stimulation (TMS) and transcranial Direct Current Stimulation (tDCS), with the main topic of human brain physiology, ranging from general rules of cortical plasticity, human motor system, human language, neurolinguistics, visuospatial attention lateralization, human pain perception. More recently, as a translational neuroscientist IHe also gained experience in experimental neurophysiology (EMG, brain stimulation) in animal models. As He is also a maker, with skills in Arduino programming and 3D printing, He is now trying to use both in research ad teaching activity

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<https://publons.com/researcher/2222768/giuseppe-giglia/>

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## Alice Conigliaro

### CELL BIOLOGY– [link to teaching program](#)

Prof. Alice Conigliaro is an Associate Professor of Biology and Genetics . She works at the Biomedicine, Neuroscience and Advanced Diagnostics at the University of Palermo. Principal investigator and participant in several funded projects, among which the MFAG2017 for the study of non-coding RNAs in cancer progression. In the last years, she has focused her studies on the understanding of the mechanisms of action through which non-coding RNAs, endogenous or carried by extracellular vesicles, affect cellular behaviour. She is the author of many scientific papers published in international, peer-reviewed journals, she is also the inventor of patents among which the “WO2016 / 162807” for the therapeutic use of anti-micro-RNA to treat several tumours including Glioblastoma.

Moreover, Alice Conigliaro is co-founder of Navhetec, an innovative Start-up and academic Spin-off of the University of Palermo with the mission to isolate plant vesicles with healthy properties.

<https://orcid.org/0000-0002-3037-835X>

[https://www.researchgate.net/profile/Alice\\_Conigliaro](https://www.researchgate.net/profile/Alice_Conigliaro)

<https://www.linkedin.com/in/alice-conigliaro-534a15175/>

ORCID  
Connecting research and researchers







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## Francesco Cappello

### NEUROANATOMY – link to the teaching program

Prof. Francesco Cappello is Full Professor of Human Anatomy. He works at the Biomedicine, Neuroscience and Advanced Diagnostics at the University of Palermo (UniPA), Palermo, Italy. He is Chief of the Center for the Enhancement of the Corpse Donated to Science (UniPA), Director of the Medical Residency Program in Sport and Exercise Medicine (UniPA), President (Honorific) of the Italian Society of Experimental Biology (SIBS), Scientific Director (Honorific) of the Euro-Mediterranean Institute of Science and Technology, Palermo, Italy; He is also Associate Member (Honorific) at the Graduate School of Biomedical Sciences, UTMB, Galveston (TX), USA and Adjunct Professor (Honorific) at the Department of Biology, Temple University, Philadelphia (PA), USA.

[https://www.researchgate.net/profile/Francesco\\_Cappello](https://www.researchgate.net/profile/Francesco_Cappello)

<https://www.linkedin.com/in/francesco-cappello-53687847/>

<https://www.facebook.com/humananatomyofpalermo>





# School of Medicine

## Department of Biomedicine, Neurosciences and Advanced Diagnostics

Prof. Francesco Cappello, MD, practice in Neuroanatomy



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## Sonia Emanuele

### **BIOCHEMISTRY– [link to teaching program](#)**

Prof. Sonia Emanuele is an Associate Professor in Biochemistry. She works at the Biomedicine, Neuroscience and Advanced Diagnostics Department at the University of Palermo. Participant in several funded research projects and author of more than 35 articles published in International, peer-reviewed journals. She had many International research experiences including fellowship on “I-CAM 3-mediated recognition of apoptotic Burkitt lymphoma cells by macrophages” developed at Queen’s Medical Centre, Nottingham, UK and “Characterization of SCF $\beta$ TRCP apoptotic substrates” project funded by “The International Union against cancer” (UICC) at the University of New York NYU, USA. Main areas of research include: biochemical mechanisms and pathways of apoptosis and autophagy induction in tumor cells. Synergistic interactions between pro-apoptotic drugs against tumor cells. Mechanisms of cell cycle control, differentiation and key events in the regulation of the cell fate.

She participated in many International Scientific Congresses as Invited Speaker and Chair Person. She received Scientific Awards including: “Angela Rotolo” best experimental thesis prize in the oncology field and Award of Best Presentation 10th World Congress on Advances in Oncology and 8th International Symposium on Molecular Medicine. She teaches Biochemistry in many Degree Courses of the Medical School including Medicine and Surgery, Medical Biotechnology and Molecular Medicine, Neurosciences, Medical Radiology, University of Palermo.

<https://www.unipa.it/persone/docenti/e/sonia.emanuele/>





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## Salvatore vitabile

### **Information Processing Systems in Neurosciences – [link to the teaching program](#)**

Salvatore Vitabile received the Laurea degree in Electronic Engineering and the doctoral degree in Computer Science from the University of Palermo, Italy. He is currently an associate professor with the Department of Biomedicine, Neuroscience and Advanced Diagnostics, University of Palermo. In 2007, he was a visiting professor in the Department of Radiology, The Ohio State University, Columbus, USA. He has also joined the Editorial Board of Electronics, MDPI. He has co-authored more than 220 scientific papers in referred journals and conferences. He has chaired, organized, and served as member of the organizing committee of several international conferences. His current research interests include specialized architecture design and prototyping, biometric authentication systems, and medical data processing and analysis. He is a member of Italian Association for Artificial Intelligence and a member of the Board of Directors of SIREN (Italian Society of Neural Networks).

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<http://www.scopus.com/authid/detail.url?authorId=15066362400>

<https://publons.com/researcher/2640775/salvatore-vitabile/>

<https://it.linkedin.com/pub/salvatore-vitabile/8/a40/882>



# School of Medicine

## Department of Biomedicine, Neurosciences and Advanced Diagnostics

Prof. Salvatore Vitabile MSEE, PhD,  
practice in Computer Science, Medical Imaging, and Machine Learning

### Medical Imaging Lab



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**Sergio Salerno**

### **APPLIED MEDICAL TECHNICAL SCIENCES – link to the teaching program**

Prof. Sergio Salerno is an Associate Professor of Applied Medical Technical Sciences, Doctor in Research (Italian PhD) in Radiology in Oncology in 2000, consultant and researcher fellow at Institute of Radiology “P. Cignolini”, University of Palermo from May 2000, Member of the Italian Society of Radiology from 1993, Member of Cardiovascular and Interventional Radiological Society of Europe (CIRSE) from 1997, Member of European society of Paediatric Radiology (ESPR) from 2005, author of 176 published abstract in Italian and International congress, author of chapter in 15 books in diagnostic radiology, author of 97 papers in Scopus (h index 14), speaker to 118 national and international conference, editorial Board member: Radiologia Medica, Giornate Italiano di Radiologia (GIRM), chairman of the Section of Radiation Protection and Radiobiology of the Italian Society of Medical and Interventional Radiology (SIRM) from 2008, member of the CT & Dose task force of the European Society of Paediatric Radiology (ESPR) from 2020.

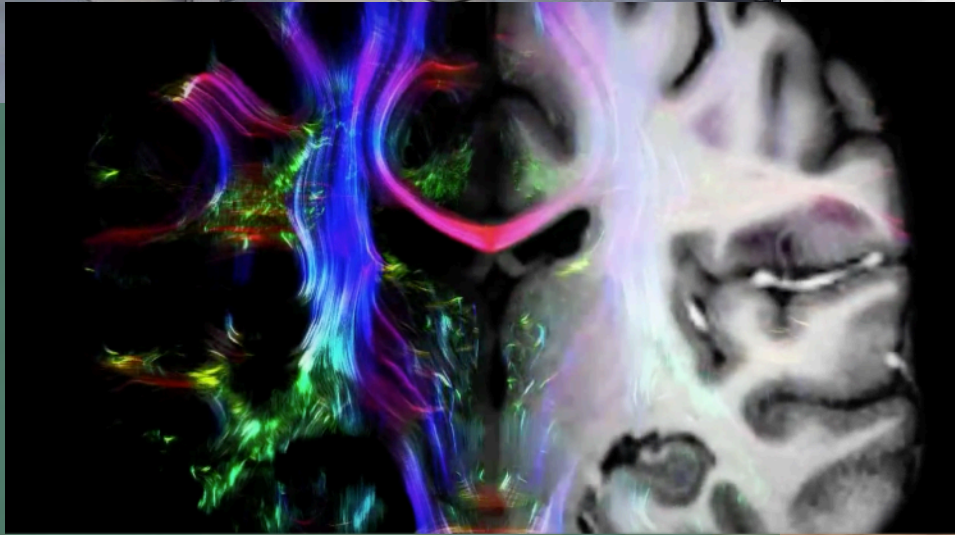
[https://www.researchgate.net/profile/Sergio\\_Salerno2](https://www.researchgate.net/profile/Sergio_Salerno2)

<https://www.linkedin.com/in/sergio-salerno-18203059/>

<https://orcid.org/0000-0003-1020-3437>



## Section of Radiology (BIND)





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## Cesare Gagliardo

### **NEUROIMAGING– link to the teaching program**

Prof. Cesare Gagliardo is a Researcher dealing with diagnostic and interventional neuroradiology since the time of his degree course. Actually working at the Department of Biomedicine, Neurosciences and Advanced Diagnostics of the University of Palermo where he deals with Clinical Neuroradiology (Computer Tomography and Magnetic Resonance Imaging) by the use of conventional and advanced imaging techniques including perfusion weighted imaging (PWI), diffusion tensor imaging (DTI) and functional magnetic resonance imaging (fMRI). He is involved in many national and international clinical trials mainly investigating neurodegenerative and demyelinating diseases. Thanks to a key collaboration with the University of Rome “Sapienza”, in recent years he was involved in pre-clinical and clinical funded projects about Magnetic Resonance Imaging-guided Focused Ultrasound Surgery (MRgFUS).

<https://www.unipa.it/persona/docenti/g/cesare.gagliardo>

<https://www.linkedin.com/in/cesare-gagliardo-65a1264a>

[https://www.researchgate.net/profile/Cesare\\_Gagliardo](https://www.researchgate.net/profile/Cesare_Gagliardo)

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Carla Cannizzaro

Carla Cannizzaro is Associate Professor of Pharmacology at the School of Medicine at the University of Palermo where she graduated in Medicine and Surgery with a thesis on the anxiolytic properties of common antidepressants. She completed her education as a Clinical Pharmacologist at the University of Sacred Heart in Rome, at the Institute of Pharmacology. Since then her scientific activity was directed to peptidergic transmission and stress responses, focusing besides NPY, on CRH and HPA axis activity. NPYergic transmission was also studied in basal ganglia circuitry in human and marmosets during a clinical and preclinical 4-year collaboration with Prof. P.J. Jenner at the Neurodegenerative Disease Research Centre, GKT School of Biomedical Sciences, King's College, London. Afterwards, peptidergic transmission was investigated during HPA axis modulation by alcohol and its first metabolite, acetaldehyde.

Carla Cannizzaro and her group at the Neuropsychopharmacology Lab at the University of Palermo have shown that acetaldehyde is an addictive compound able to induce rewarding, cognitive and locomotor effects, that depend on cannabinoidergic and dopaminergic activation. Besides ongoing studies are investigating long-lasting consequences of different patterns of alcohol drinking and cannabis use in female rats, aiming at highlighting detrimental effects on maternal behaviour and offspring outcomes and vulnerability to neuropsychiatric disorders. She is co-author of a patent on a new device for studying addictive behaviours in rodents. Her scientific activity is witnessed by more than 100 papers on peer reviewed journals and chapter on Italian and international book-texts. She is in the Editorial Board of "Frontiers in Psychiatry: Addictive Disorders"; Frontiers in Cellular Neuroscience; Frontiers in Behavioural Neuroscience.

Her Institutional appointments include:

From 2009 Component of the working group for the European Charter and Code for Researchers, University of Palermo

From 2014 Member of the Ethical Committee for Clinical Research, University Hospital of Palermo

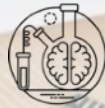
From 2015 Component of the Institutional Organism for Experimental Animal's Welfare, University of Palermo

From 2018 External Expert Component in the Commission for Eligibility of Phase 1 Clinical Research National Institute of Health, Rome

From 2018 Expert Pharmacologist in the Commission for Therapeutic Cannabis implementation of the Regional Department of Health

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## Official website of the Master Degree

<https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/index.html>

## Program of studies

<https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/?pagina=pianodistudi>

## Provided didactics

<https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/?pagina=insegnamenti>

## Classes timetable

<https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/didactics/class-calendar.html>





## University Language Center

[https://www.unipa.it/amministrazione/direzionegenerale/  
serviziospecialeinternazionalizzazione/u.o.centrolinguisticodateneo/](https://www.unipa.it/amministrazione/direzionegenerale/serviziospecialeinternazionalizzazione/u.o.centrolinguisticodateneo/)

## Italian language school for foreigners

<https://www.unipa.it/strutture/scuolaitalianastranieri/index.html>

## English Language requirements and entrance criteria

[https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/  
index.html](https://www.unipa.it/dipartimenti/bi.n.d./cds/neurosciences2241/en/index.html)





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## International collaborations and agreements





# College for Medical Sciences of the University of Rzeszów

Warzywna 1a – 35-959 Rzeszów, Poland



University of Rzeszów



Prof. Jacek Tabarkiewicz M.D., PhD  
Professor of Medicine and Health Sciences





# Brno University of Technology, Brno, Czech Republic

## Faculty of Mechanical Engineering

Prof. Petr Vašík, Ph.D. - Dept. of Algebra and Discrete Mathematics, Head of sub-dept.  
Technická 2896/2, Královo Pole, 61669, Brno, Česká republika



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# University of Texas Medical Branch

Galveston, Texas, USA



Prof. Giulio Taglialatela, PhD  
Professor of Anatomy and Neuroscience







## Steps for the enrollment of Extra-EU students

[Help desk for international students click here](#)

### STEP NO. 1

0 €

Register to University.it

### STEP NO. 2

0 €

Send pre-enrollment  
documentation to Unipa.it  
after a free registration to  
the website

### STEP NO. 3

55 €

Fee to take part to the  
Entrance Interview – not  
needed in aa 2021-22





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## CONTACT US

Staff dedicated to International Students

**All assistance you need**

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### OUR ADDRESS

Via del vespro 129, 90127  
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### EMAIL

[neurosciences@unipa.it](mailto:neurosciences@unipa.it)  
[internationalstudents@unipa.it](mailto:internationalstudents@unipa.it)

