

Curriculum vitae

Luigi Atzori

Nationality: Italian

Work Address: Cittadella Universitaria, Block A, 09042 Monserrato (CA)

Email: latzori@unica.it

Education and professional qualifications

- Degree in Medicine and Surgery, University of Cagliari since 12-19-1984
- Specialization in Occupational Medicine since 19-03-1990
- Dr.Med.Sc. (Ph.D.) Karolinska institute, Stockholm (Sweden) since 17-12-1991
- Associate Professor of General Pathology and Clinical Pathology, University of Cagliari, 1998-2018
- Honorary Senior Research Fellow, Center of Respiratory Research (Prof. GJ Laurent), Department of Medicine, University College London, London, UK 2001-2009
- Full Professor of Clinical Pathology, University of Cagliari, from 2018-

Academic assignments and activities

- President of GAV (Group for Accreditation and Evaluation) Nursing Course, University of Cagliari
- Auto-evaluator of Medicine and Surgery Course, University of Cagliari, 2006
- Certificate from the Laboratorio Didattico Calaritano (docimology course), University of Cagliari, A.A. 2008-09: 2009-10: 2010-11.
- Coordinator of the Technical Health Professions Class, University of Cagliari 2011-2014
- Auto-evaluator of the Medicine and Surgery Course, University of Cagliari 2015-2018
- Quality Contact for the Medicine and Surgery Course, University of Cagliari 2018-2021
- Coordinator of the Health Professions of Technical Sciences, University of Cagliari 2021-2024
- Coordinator of the Master's Degree Course in Medicine and Surgery, University of Cagliari, from 01-07-24

Teachings in the Faculty of Medicine, University of Cagliari

- Clinical pathology (Course Medicine and Surgery)
- Clinical pathology (Course Dentistry and Dental Prosthetics)
- Clinical pathology (Course Nursing)
- Clinical pathology (Course Obstetrics)
- Clinical pathology (Course Dental hygiene)
- Clinical pathology (Course Biomedical Laboratory Techniques)
- Organ and disease markers (Course Biomedical Laboratory Techniques)
- Molecular methods in clinical pathology (Course Biomedical Laboratory Techniques)
- Clinical pathology (Course Psychiatric rehabilitation techniques)
- Clinical pathology (Course Prevention techniques in the environment and workplaces)
- General pathology (Course Physiotherapy)
- History of Medicine (Course Medicine and Dentistry and Dental Prosthetics)

Teachings Health Area Graduate Schools

University of Cagliari

- Pathophysiology of metabolic disorders I (Food science)
- Pathophysiology of metabolic disorders II (Food science)

- General pathology and pathophysiology applied to physical exercise I and General pathology and pathophysiology applied to physical exercise II (Sports medicine)
- Physiology and pathophysiology of sporting activity in extraordinary environments (School of sports medicine)
- Clinical pathology (Hematology)
- Clinical Pathology I and Clinical Pathology II (Medical Oncology)
- Clinical pathology (Thoracic surgery)
- Clinical pathology (Hygiene)
- Clinical pathology (Rheumatology)
- Clinical pathology (Digestive system surgery and digestive endoscopy)
- Clinical pathology (Child neuropsychiatry)
- Clinical pathology (Urology)
- Clinical Pathology (Clinical Pharmacology)
- Clinical Pathology (Clinical Microbiology)
- Clinical pathology (Ophthalmology)
- Clinical pathology (Medical genetics)
- Clinical pathology (General surgery)
- Clinical pathology (Physiatry)

University of Sassari

- Clinical Pathology I (Clinical Pathology)
- Clinical Pathology II (Clinical Pathology)
- Clinical Pathology III (Clinical Pathology)

Participation in doctoral programs

- Doctorate in “Experimental Pathology”, then “Molecular and then Experimental Medicine and Therapy”, University of Turin, until 2012
- Ad hoc teacher: National Doctoral School in Pharmaceutical Technologies (2009)
- Doctorate in “Molecular and Translational Medicine”, University of Cagliari, since 2013
- Doctorate in "Capacities building for global health" University of Cagliari, since 2023

Teaching or research positions (fellowship) at qualified foreign or supranational universities and research institutes

- Visiting student, Department of Pathology, University College Dublin, Dublin, Ireland 1983
- Visiting researcher at the Department of Toxicology (Prof. P. Moldeus), Karolinska Institute, Stockholm, Sweden from 01-09-1986 to 30-11-1987
- Visiting researcher at the Department of Toxicology (The Institute of Environmental Health) (Prof. P. Moldeus), Karolinska Institute, Stockholm, Sweden from 02-01-1989 to 21-12-1991
- Visiting Scientist at Department of Thoracic Medicine, National Heart and Lung Institute (Prof. PJ Barnes), Imperial College, London, (UK) from 01-07-1997 to 31-08-1997
- Visiting Scientist at Department of Thoracic Medicine, National Heart and Lung Institute (Prof. PJ Barnes), Imperial College, London, (UK) from 01-02-1999 to 01-01-2000
- Wellcome Trust short-term travel grant, Center of Respiratory Research, University College of London, Medical School London, London, UK from 01-08-2001 to 31-01-2002
- Honorary Senior Researcher, Center of Respiratory Research, Department of Medicine, University College London, London (UK) from 01-09-2001 to 01-12-2010
- NATO-CNR Senior Fellowships-Centre for Respiratory Research- UCL- London- UK from 01-05-2002 to 30-06-2002

- NATO-CNR Fellowships-Centre for Respiratory Research- UCL- London- UK from 01-08-2003 to 30-09-2003 Visiting Professor: Université du Littoral Cote d'Opale, Dunkerque, France from 01-07-2011 to 15 -07-2011 Visiting Professor: Université Lille Nord de France (F) from 01-02-2014 to 10-02-2014
- Since 2009, carried out several visits for research at the Department of Biochemistry, University of Cambridge, UK (Prof. JL Griffin)

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- Visiting researcher at the Department of Toxicology (Prof. P. Moldeus), Karolinska Institute, Stockholm, Sweden from 01-09-1986 to 30-11-1987
- Visiting researcher at the Department of Toxicology (The Institute of Environmental Health) (Prof. P. Moldeus), Karolinska Institute, Stockholm, Sweden from 02-01-1989 to 12-22-1991
- Visiting Scientist at Department of Thoracic Medicine, National Heart and Lung Institute (Prof. PJ Barnes), Imperial College, London, (UK) from 01-07-1997 to 31-08-1997
- Visiting Scientist at Department of Thoracic Medicine, National Heart and Lung Institute (Prof. PJ Barnes), Imperial College, London, (UK) from 01-02-1999 to 01-01-2000
- Wellcome Trust short-term travel grant, Center of Respiratory Research, University College of London, Medical School London, London, UK from 01-08-2001 to 31-01-2002
- Honorary Senior Researcher, Center of Respiratory Research, Department of Medicine, University College London, London (UK) from 01-09-2001 to 01-12-2010
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- Since 2009, carried out several visits for research purposes at the Department of Biochemistry, University of Cambridge, UK (Prof. JL Griffin)

International patent

PCT/IB2016/051178: Method for the in vitro identification of drug-resistant epilepsy. International publication number WO2016/139599. USA patent N° US 10697978. Dal 29-05-2020 a oggi

FUNDINGS since 2008 as Principal Investigator for metabolomics studies

- 2008: Prevention of lung cancer with innovative methodologies. Fondazione Banco di Sardegna
- 2008: Use of innovative techniques for prevention, diagnosis and prognosis of colon adenocarcinoma. Regione Autonoma Sardegna
- 2009: •Metabolomics as a non-invasive tool for the study of steatohepatitis in Sardinian populations. - Fondazione Banco di Sardegna
- 2012: A metabolomics study for new predicative and prognostic biomarkers in Multiple Sclerosis. Regione Autonoma Sardegna
- 2013: Metabolomics in Research and Clinics. Regione Autonoma Sardegna
- 2014: Metabolomics for the study of Multiple Sclerosis in the Sardinian population. Regione Autonoma Sardegna
- 2019: Pharmaco-resistance in epilepsy: biomarkers diagnostic validation for the prediction of the therapeutic response" National Research programme "Proof of concept" MIUR, Italy
- 2023: Farmaco-resistenza nell'epilessia, POC_MISE_Unica

PARTICIPANT to metabolomics projects (last 10 years):

- 2011:“Metabolomics: “gold standard” for the diagnosis of neonatal sepsis?, CCM Ministry of Health
- 2014: “Action” FP7 European Project
- 2016: “Role of the TR7T3axis on the development of hepatocellular carcinoma” Fondazione Banco di Sardegna
- 2017: “Towards“functional foods”: molecular sensors and their validation by NMR and MS analysis”, POR FESR Sardegna
- 2018: Possible therapeutic use of thyroid hormone and its analogue for the treatment of hepatocarcinoma, Regione Autonoma Sardegna
- 2019: Multi-omic approach and integration of blood and fecal metabolomic data with gut microbiota to identify biological signatures of response to mood stabilizers in bipolar disorder, Fondazione Banco di Sardegna
- 2020: ProDGNE Novel therapeutic approaches to target GNE Myopathy in the context of the 2020 EJP(European Joint Programme)-Rare disease call
- METIROTIN, Programma I FAIR, Sardegna Ricerche

REVIEWER PROJECTS

- MIUR (Italy)
- Wellbeing of women (UK)
- Medical Research Council (South Africa)
- SPARKS (UK)
- Georgian Shota Rustaveli National Science Foundation (SRNSF) (Georgia)
- INSERM: Institut National de la santé et de la recherche médicaux (Francia)
- MRC-UK

Areas of research and interest

- Metabolomics in the clinical setting
- Precision medicine
- Identification of new biomarkers
- Mechanisms of oxidative damage
- Co-Promoter and representative of the Italian Metabolomics Network (IMN) (<http://metabonet.it/>) at the Meabolomics Society (USA)

Pubblicazioni

[My PubMed Bibliography](#)

[My Google Scholar](#)

[Prodotti Ricerca IRIS](#)

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