

Gianluca Vadalà, MD, PhD, is Associate Professor of Orthopaedic at Università Campus Bio-Medico di Roma (UCBM), Rome, Italy. He is currently employed at the Operative Unit of Orthopaedic of Fondazione Policlinico Universitario Campus Bio-Medico. His activity is both focused on clinic - spine and orthopaedic surgery (80% of his time) - and research (20% of his time). He performs over 250 surgical cases each year (60% spine and 40% orthopaedic). He is the Director of the Laboratory for Regenerative Orthopaedics at UCBM focused on developing and translating new biological therapies including stem cell-based therapies in Orthopaedic and Spine Surgery. The Lab is composed by two full-time biologists with expertise on cell and molecular biology as well as on histology and one PhD student.

Over the his past 20 years of education and scientific production, Prof. Gianluca Vadalà devoted his career to acquire a multidisciplinary knowledge and to organize a multitask network of collaborators to develop new biological therapies for the treatment of intervertebral disc degeneration (IDD) aiming to move toward human clinical trials.

In 2013 and 2018 he received the *AOSpine Europe Young Research Award*, the most prestigious European award for research in the Spine Surgery field, for his enthusiastic research on IVD regeneration. In 2016, he received the Best Paper Award at the annual meeting of the International Society for the Study of the Lumbar Spine (ISSLS), the most prestigious and scientifically rigorous society in the spine field. He has been ISSLS European Representative (2016-19). He is currently the immediate Past-President of the European Orthopaedic Research Society (EORS) and Vice-President of the Italian Orthopaedic Research Society (IORS).

He works in close collaboration with the Musculoskeletal Regeneration Program of the AO Research Institute of Davos, Switzerland, coordinated by Prof. Mauro Alini. In 2005 he performed a 2 years fellowship at Ferguson Laboratory for Orthopaedic and Spine Research at University of Pittsburgh Medical Center (UPMC) under the supervision of Dr. James Kang.

He published over 100 papers in major international peer-reviewed scientific journals, including multidisciplinary scientific journals. He co-edited 2 peer-reviewed special issues in peer-reviewed scientific journals. He has an H index of 29 with 2400 citations (according to Scopus) with a total impact factor of 350,512 with a mean of 7,544.

He received several national and international research grants in the field of regenerative orthopaedics and spine surgery as PI. He is the coordinator UCBM unit in the RESPINE and iPSpine research consortia of the Horizon 2020 European Research Great Program.

He performed over 50 invited lectures in the research proposal field in well-established international conferences and University and Research Institutes worldwide (Europe, Japan, South Korea, Argentina, USA, etc);