

Curriculum Vitae: NINA KALUDERCIC

EDUCATION

- 2005 – 2008 PhD in Biochemistry and Biotechnologies, Department of Biochemistry, University of Padova, Italy
- 1998 – 2004 Bachelor's/Master's degree in Pharmacy (combined 5-year cycle), University of Padova, Italy

POSITIONS

- 2023 – present Assistant Professor (tenure-track), Department of Biomedical Sciences, University of Padova, Italy
- 2012 – 2022 Researcher, Neuroscience Institute, National Research Council of Italy (CNR), Padova, Italy

RESEARCH FELLOWSHIPS

- 2010 – 2012 Research fellowship, Department of Biomedical Sciences, University of Padova
- 2008 – 2010 Postdoctoral fellowship, Department of Medicine, Division of Cardiology, Johns Hopkins Medical Institutions, Baltimore, MD, USA
- 2005 – 2008 PhD fellowship, Italian Ministry of University and Research
- 2004 Research fellowship, Department of Biomedical Sciences, University of Padova

ONGOING GRANTS

- 2023 – 2025 Fondazione Telethon Multiround 21-24, Title: Repurposing of drugs targeting mitochondrial oxidant production to treat Duchenne-related cardiomyopathy
Role: PI, Amount: € 159,861
- 2023 – 2025 PRIN (Progetti di Rilevante Interesse Nazionale), Italian Ministry of Research and Education, Title: Characterization of novel mediators of mitochondrial fission identified by a genome wide high throughput screening
Role: Co-PI, PI: Prof. Luca Scorrano, Amount: € 60,000
- 2022 – 2025 CARIPARO Foundation, Scientific Research of Excellence 2021, Title: Mitochondrial ATP-sensitive potassium channels in health and disease
Role: Partner, PI: Prof. Diego De Stefani, Amount: € 393,000

COMMISSIONS OF TRUST

- 2024 - 2026 Secretary of the Nucleus of ESC Working Group on Myocardial Function
- 2024 - present Treasurer, International Society for Heart Research (ISHR) – European Section
- 2023 - present Management Committee member, COST action EU-METAHEART CA22169
- 2022 - present International Council member, International Society for Heart Research (ISHR)
- 2021 - present Faculty Board member, PhD Course in Biomedical Sciences, University of Padua
- 2019 - 2024 Council member, International Society for Heart Research (ISHR) – European Section
- 2019 - 2022 Mid-Career Investigator Committee member, International Society for Heart Research (ISHR) – International

SEMINARS AND INVITED PRESENTATIONS AT SCIENTIFIC MEETINGS

Invited presentations:

Sep 2025	Regional Meeting of Physiologists, New frontiers in cardiovascular research, Ljubljana, Slovenia
June 2025	International Society for Heart Research (ISHR) World Congress, Nara, Japan
Feb 2025	43 rd Course "Update in Pediatric Cardiology", Left Ventricular Non-Compaction, Padova, Italy
2023	Cellular Biology of the Heart & Myocardial Function ESC Working Groups Biennial Meeting, Naples, Italy
2023	European Society for Clinical Investigation (ESCI) 57 th Annual Scientific Meeting, Prague, Czech Republic
2022	International Society for Heart Research (ISHR) World Congress, Berlin, Germany
2021	International Society for Heart Research (ISHR) European Section Annual Meeting, (virtual meeting)
2021	European Society for Clinical Investigation (ESCI) 55 th Annual Scientific Meeting (virtual meeting)
2019	Key Lecture, Italian Society for Cardiovascular Research (SIRC) Annual Meeting, Imola, Italy
2017	Cold Spring Harbor Asia, Mitochondria conference, Suzhou, China
2016	Discussion Leader, Gordon Research Seminar "Thiol-Based Redox Regulation and Signaling", Stowe, VT, USA (invited by Dr. Edward Chouchani)
2016	Amine Oxidase Conference Bi-Annual Meeting, Birmingham, UK
2016	CNR-IN Annual retreat, Neuroscience Institute, CNR, Italy
2014	Early Career Researcher Seminar, EU-ROS COST Annual Meeting, Padova, Italy
2014	Amine Oxidase Conference Bi-Annual Meeting, Sydney, Australia
2013	Italian Group of Bioenergetics and Biomembranes (GIBB) Annual Meeting, Padova, Italy
2012	Amine Oxidase Conference Bi-Annual Meeting, Toulouse, France
2008	Cardiology Conferences, Johns Hopkins Cardiology Division, Baltimore, USA

Seminars:

2024	Institut de Recherche Expérimentale et Clinique (IREC), Université Catholique de Louvain (UCLouvain) (invited by Dr. Alice Marino & Prof. Luc Bertrand)
2023	University of Birmingham, UK (invited by Dr. Davor Pavlovic)
2022	University of Rome Tor Vergata, Italy (invited by Prof. Gerry Melino)
2021	Webinar at the University of Udine, Italy (invited by Prof. Giovanna Lippe)
2020	Webinar for the ISHR Cardiovascular Webinar Series (invited by Dr. Davor Pavlovic)
2019	University of Birmingham, UK (invited by Dr. Davor Pavlovic)
2011	Albert Einstein University, New York, USA (invited by Dr. Richard Kitsis)
2010	National Institutes of Health, Bethesda, USA (invited by Dr. Karel Pacak)

SCIENTIFIC MEETINGS ORGANIZATION

Since 2019	Member of the scientific program committee for the annual meetings of the International Society for Heart Research (ISHR) – European Section
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| 2016 | Member of the organizing committee, European Bioenergetics Conference (EBEC), Riva del Garda, Italy |
| 2014 | Member of the organizing committee for the EU-ROS COST action annual meeting, Padova, Italy |
| 2014 | Organizer of the workshop entitled “Mitochondria-dependent ROS generation”, Padova, Italy (3-4/09/2014) |

AWARDS AND HONORS

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| 2016 | Leducq Transatlantic Network of Excellence Junior Investigator Award “Modulating autophagy to treat CV disease” |
| 2011 | Best Poster Award, International Society for Heart Research (ISHR) European Section Annual Meeting, Haifa, Israel |
| 2010 | Postdoctoral Scientist Award for best oral presentation, Experimental Biology Annual Meeting, Anaheim, USA |
| 2008 | Young Investigator Award runner-up, International Society for Heart Research (ISHR) European Section Annual Meeting, Athens, Greece |
| 2008 | Postdoctoral fellowship, American Heart Association (AHA) |

EDITORIAL ACTIVITIES/REVIEW PANELS

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| Since 2023 | member of the Editorial Board, Journal of Molecular and Cellular Cardiology Plus (JMCC Plus) |
| Since 2022 | Associate Editor, Journal of Translational Medicine - Cellular Metabolism Therapy Section |
| Since 2021 | Associate Editor, Frontiers in Physiology – Mitochondrial Research |
| 2021 | Guest Editor of the Special Issue on “Cardioprotection, Sex and Gender Differences”, Frontiers |
| 2021 | Remote Referee for proposals submitted to the ERC Consolidator Grant 2021 Call |
| Since 2020 | evaluation of grant applications for the Fondation pour la Recherche Médicale (FRM), France |
| Since 2017 | Editorial Board, Frontiers in Physiology – Oxidant Physiology |
| 2010 – 2021 | Editorial Board, Frontiers in Physiology – Mitochondrial Research |

Ad hoc reviewer for: Circulation Research, Cell Death and Differentiation, Autophagy, Redox Biology, Cardiovascular Research, Journal of Molecular and Cellular Cardiology, Antioxidants & Redox Signaling, Mitochondrion, Aging Cell, American Journal of Physiology – Heart and Circulatory Physiology, British Journal of Pharmacology, Pharmacological Research, Biochimica et Biophysica Acta, FEBS Letters, Biology Open, European Journal of Pharmacology, Cellular Physiology and Biochemistry, Experimental Biology and Medicine, DNA and Cell Biology, Frontiers in Cellular Neuroscience, Frontiers in Cardiovascular Metabolism, Frontiers in Physiology – Vascular Physiology, Scientific Reports.

PUBLICATION SCORE

>50 peer-reviewed articles
H-index: 33 (Scopus), 32 (WoS)