

CURRICULUM VITAE

Candela DIAZ-CANESTRO, PhD

SNSF Ambizione Group Leader

Center for Molecular Cardiology

Wagistrasse 12, 8952 Schlieren

Switzerland

Email: candela.diazcanestro@uzh.ch



POSITIONS

- 9/2024-** **SNSF Ambizione Group Leader**
Center for Molecular Cardiology, University of Zurich, Switzerland
- 1/2021-8/2024** **Postdoctoral Fellow**
State Key Laboratory of Pharmaceutical Biotechnology, School of Clinical Medicine,
Department of Medicine, University of Hong Kong, Hong Kong, China.
- 2/2019-12/2020** **Postdoctoral Fellow**
Cumming School of Medicine, Libin Cardiovascular Institute of Alberta, University of
Calgary, Canada.

EDUCATION

- 1/2015-12/2018** **PhD in Integrative Molecular Medicine**
Center for Molecular Cardiology, University of Zurich, Switzerland.
- 7/2012-7/2013** **MSc in Health and Sport Performance**
Faculty of Health, University of Miguel Hernandez, Spain
- 7/2007-7/2012** **BSc in Exercise Sciences** (ranked 1st/150 students).
Faculty of Health, University of Miguel Hernandez, Spain

COMPETITIVE GRANTS AND AWARDS

Ambizione grant	Swiss National Science Foundation	1/09/24- 31/08/28
Role: Principal Investigator	Grant#: PZ00P3_216208	Total CHF 934'602
SS Research Funding	HK Government	15/04/23- 14/04/24
Role: Co-applicant		Total CHF 505'357
Health and Medical Research Fund	HK Government	01/12/22- 30/11/25
Role: Co-applicant	Grant#: 10212326	Total CHF 176'566
Health and Medical Research Fund	HK Government	01/09/22- 31/08/25
Role: Principal Investigator	Grant#: 09201676	Total CHF 175'278
Early postdoc Mobility grant	Swiss National Science Foundation	01/02/19 - 31/09/20
Role: Principal Investigator	Grant#: P2ZHP3-184211	Total CHF 79'600

Awards

- 2021 **Young Investigator Award:** “Molecular choreography of chronic exercise in overweight individuals with prediabetes”14th International Symposium on Mechanism of VasoDilatation.
- 2021 **Top five winning article selected for the 9th Obesity Symposium,** ObesityWeek® 2021.
- 2017 **Best Abstract in Cardiovascular Biology:** “Sirtuin 5 mediates brain damage and neurological deficits in a mouse model of cerebral ischemia-reperfusion injury”, Swiss Society of Cardiology Congress, Baden, Switzerland.
- 2017 **Best Poster Presentation:** “Silencing of the Activated Protein-1 Transcription Factor JunD Exacerbates Ischemia/Reperfusion-induced Cerebral Injury”, 51st Annual Scientific Meeting of the European Society for Clinical Investigation, Genoa, Italy.

SELECTED LIST OF PUBLICATIONS

- Jin L, **Diaz-Canestro C**, Wang Y, Tse MA, Xu A. Exerkines and cardiometabolic benefits of exercise: from bench to clinic. **EMBO Mol Med.** 2024 Mar 16. **IF:9**
- **Diaz-Canestro C**, Chen J, Liu Y, Han H, Wang Y, Lee CH, Karen S.L.L., Tse MA, Xu A. A machine-learning algorithm integrating baseline serum proteomic signatures predicts exercise responsiveness in overweight males with prediabetes. **Cell Reports Medicine.** 2023 Feb 21. **IF : 16.9**
- **Diaz-Canestro C**, Tse HF, Yiu KH, Montero D. Reduced lean body mass: a potential modifiable contributor to the pathophysiology of heart failure. **European Heart Journal.** 2023 Mar 16. **IF : 35.8.**
- **Diaz-Canestro C**, Sehgal A, Pentz B, Yang R, Xu A, Montero D. Lean body mass and the cardiovascular system constitute a female-specific relationship. **Sci Transl Med.** 19 October 2022. **IF 19.3**
- **Diaz-Canestro C**, Puspitasari YM, Liberale L, Guzik TJ, Flammer AJ, ...Camici GG. MMP-2 knockdown blunts age-dependent carotid stiffness by decreasing elastin degradation and augmenting eNOS activation. **Cardiovasc Res.** 2021 Sep 29. **IF 13.0**
- **Diaz-Canestro C**, Pentz B, Sehgal A, Montero D. Sex differences in cardiorespiratory fitness are explained by blood volume and oxygen carrying capacity. **Cardiovasc Res.** 2021 January 18. **IF 13.0**
- Montero D, **Diaz-Canestro C**, Oberholzer L, Lundby C. The role of blood volume in cardiac dysfunction and reduced exercise tolerance in patients with diabetes. **Lancet Diabetes Endocrinol.** 2019 Jun 26. **IF 44.8**
- **Diaz-Canestro C**, Reiner MF, ... Lüscher TF, Camici GG. Activated protein-1 transcription factor JunD regulates interleukin-1 beta-dependent inflammatory damage in stroke. **Stroke.** 2019 January 10. **IF 10.1**
- Liberale L, **Diaz-Canestro C**, ...Lüscher TF, Camici GG. Post-ischaemic administration of the murine Canakinumab-surrogate antibody improves outcome in experimental stroke. **Eur Heart J.** 2018 Oct 7. **IF 35.8**
- Paneni F, **Diaz-Canestro C**, Libby P, Lüscher TF, Camici GG. The Aging Cardiovascular System: Understanding it at the Cellular and Clinical Level. **J Am Coll Cardiol.** 2017 April 18. **IF 27.3**