



Khatia Gabisonia

Date of birth: 01/04/1986 | **Nationality:** Georgian | **Gender:** Female | **Phone number:**

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Address: Via moruzzi, 1 , CNR - Pisa, 56124, Pisa, Italy (Work)

● WORK EXPERIENCE

01/07/2022 – CURRENT Pisa, Italy

UNIVERSITY STAFF, TECHNICAL-SCIENTIFIC AND DATA PROCESSING AREA (CATEGORY D) INTERDISCIPLINARY RESEARCH CENTER "HEALTH SCIENCE", SCUOLA SUPERIORE SANT'ANNA

01/02/2018 – 01/07/2022 Pisa, Italy

POSTDOCTORAL RESEARCHER INSTITUTE OF LIFE SCIENCES, SCUOLA SUPERIORE SANT'ANNA

"Evaluation of the new neurotrophin mimetic molecule (MT8) in pig model of myocardial infarction" carried out within the research project: "New-generation cardiac therapeutic strategies directed to the activation of endogenous regenerative mechanisms REANIMA."

- Animal maintenance during in vivo experiments, open chest surgery and percutaneous coronary intervention for myocardial infarction induction, anesthesia induction and maintenance, advanced cardiac life support.
- Post MI follow-up, invasive hemodynamic, echocardiographic, cardiac magnetic resonance data acquisition and post acquisition analysis.
- Statistical data analyses

Website <https://www.santannapisa.it/it>

2013 – 2014 Tbilisi, Georgia

MD, CARDIOLOGIST THE CENTER OF DIABETES, ENDOCRINE AND CARDIO-PULMONARY DISEASE, TBILISI CENTRAL CLINIC.

2011 – 2014 Tbilisi, Georgia

MD, CARDIOLOGY FELLOW JO ANN MEDICAL CENTER

2010 – 2012 Sachkhere, Georgia

BASIC LIFE SUPPORT INSTRUCTOR GEORGIAN COLLEGE OF EMERGENCY PHYSICIANS

2008 – 2009 Tbilisi, Georgia

MEDICAL LABORATORY MANAGER "HIGH TECHNOLOGY DIAGNOSTIC CENTER" S.P.A.

- monitoring that the laboratory operations are performed according to the specification
- communication with the clinical centers and the hospitals
- ensuring the systematic and organized service
- controlling the appropriate health and safety standards

07/2009 – 08/2009 Tbilisi, Georgia

NURSE ASSISTANT SACHKHERE MEDICAL CENTER

● EDUCATION AND TRAINING

15/02/2017 – 31/01/2018 Pisa, Italy

POSTDOCTORAL SCHOLARSHIP Institute of life sciences, Scuola Superiore Sant'Anna

Address Piazza Martiri della Libertà , 33, Pisa, Italy | **Website** <https://www.santannapisa.it/it> |

Field of study Translational medicine, Project: "MicroRNA for the regeneration of the infarcted myocardium"

20/01/2014 – 17/02/2017 Pisa, Italy

PH. D. Scuola Superiore Sant'Anna

Thesis: Gene therapy with miR-199a for myocardial infarction.

Publication: MicroRNA therapy stimulates uncontrolled cardiac repair after myocardial infarction in pigs. G abisonia K, Prosdocimo G, Aquaro GD, Carlucci L, Zentilin L, Secco I, Ali H, Braga L, Gorgodze N, Bernini F, Burchielli S, Collesi C, Zandonà L, Sinagra G, Piacenti M, Zacchigna S, Bussani R, Recchia FA, Giacca M. Nature. 2019 May;569(7756):418-422.

Address Piazza Martiri della Libertà, 33, Pisa, Italy | **Website** <https://www.santannapisa.it/it> |

Field of study Translational Medicine

15/09/2008 – 01/08/2012 Tbilisi, Georgia

SPECIALIZATION IN CARDIOLOGY Institute of Postgraduate Medical Education and Continuous Professional Development

Address Vazha Pshavela Ave. , 33, Tbilisi, Georgia | **Website** <https://tsmu.edu/ts/>

01/09/2002 – 04/07/2008 Tbilisi, Georgia

MEDICAL DOCTOR Tbilisi State Medical University

Address Vazha Pshavela Ave. , 33, Tbilisi, Georgia | **Website** <https://tsmu.edu/ts/>

06/06/2006 – 31/07/2006 Marsiglia, France

TRAINING IN CLINICAL CARDIOLOGY Università Aix-Marseille

Address Jardin du Pharo 58 13007 , Boulevard Charles Livon, Marsiglia, France | **Website** <https://www.univ-amu.fr/>

11/07/2005 – 04/08/2005 Ankara, Turkey

TRAINING IN CLINICAL PHYSIOLOGY Ankara-Hacettepe University

Address Sıhhiye, 06100 Ankara (Turkey), Ankara, Turkey | **Website** <https://www.hacettepe.edu.tr/>

● LANGUAGE SKILLS

Mother tongue(s): **GEORGIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
ITALIAN	C2	C2	C2	C2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Social Network/Social Media | bibliographic search, statistical (Graphpad) and image programs (ImageJ) |
- Microsoft Office knowledge; | Scientific Databases search - PubMed Scopus Google Scholar

● ADDITIONAL INFORMATION

PUBLICATIONS

Extracellular vesicle-mediated bidirectional communication between heart and other organ

Gabisonia K, Khan M, Recchia FA. *Am J Physiol Heart Circ Physiol*. 2022 May 1;322(5):H769-H784. doi: 10.1152/ajpheart.00659.2021. Epub 2022 Feb 18. PMID: 35179973; PMCID: PMC8993522.

Link <https://pubmed.ncbi.nlm.nih.gov/35179973/>

Proteome dynamics and bioinformatics reveal major alterations in the turnover rate of functionally related cardiac and plasma proteins in a dog model of congestive heart failure

Gabisonia K, Burjanadze G, Woitek F, Keles A, Seki M, Gorgodze N, Carlucci L, Ilchenko S, Kurishima C, Walsh K, Piontkivska H, Recchia FA, Kasumov T. *J Card Fail*. 2021 Nov 13;S1071-9164(21)00471-1. doi: 10.1016/j.cardfail.2021.11.011. Epub ahead of print. PMID: 34785403.

Link <https://pubmed.ncbi.nlm.nih.gov/34785403/>

Simultaneous decoding of cardiovascular and respiratory functional changes from pig intraneural vagus nerve signals

Vallone F, Ottaviani MM, Dedola F, Cutrone A, Romeni S, Panarese AM, Bernini F, Cracchiolo M, Strauss I, **Gabisonia K**, Gorgodze N, Mazzoni A, Recchia FA, Micera S. *J Neural Eng*. 2021 Jul 7;18(4). doi: 10.1088/1741-2552/ac0d42. PMID: 34153949.

Link <https://pubmed.ncbi.nlm.nih.gov/34153949/>

Q-PINE: A quick to implant peripheral intraneural electrode

Strauss I, Niederhoffer T, Giannotti A, Panarese AM, Bernini F, **Gabisonia K**, Ottaviani MM, Petrini FM, Recchia FA, Raspovic S, Micera S. *J Neural Eng*. 2020 Nov 19;17(6). doi: 10.1088/1741-2552/abc52a. PMID: 33108764.

Link <https://pubmed.ncbi.nlm.nih.gov/33108764/>

MicroRNA therapy stimulates uncontrolled cardiac repair after myocardial infarction in pigs

Gabisonia K, Prosdocimo G, Aquaro GD, Carlucci L, Zentilin L, Secco I, Ali H, Braga L, Gorgodze N, Bernini F, Burchielli S, Collesi C, Zandonà L, Sinagra G, Piacenti M, Zacchigna S, Bussani R, Recchia FA, Giacca M. *Nature*. 2019 May;569(7756):418-422. doi:10.1038/s41586-019-1191-6. Epub 2019 May 8. PMID: 31068698; PMCID: PMC6768803

Link <https://www.nature.com/articles/s41586-019-1191-6>

Pathogenic role of mitochondrial calcium uniporter upregulation in the failing heart: Ca²⁺ mishandling or what else?

Recchia FA, Gorgodze N, **Gabisonia K**. *Int J Cardiol*. 2019 Jan 1;274:250-251. doi: 10.1016/j.ijcard.2018.07.007. Epub 2018 Jul 4. PMID: 30146250

Link <https://pubmed.ncbi.nlm.nih.gov/30146250/>

Gene Therapy for Heart Failure: New Perspectives

Gabisonia K, Recchia FA. *Curr Heart Fail Rep*. 2018 Dec;15(6):340-349. doi: 10.1007/s11897-018-0410-z. PMID: 30238397; PMCID: PMC6250586.

Link <https://pubmed.ncbi.nlm.nih.gov/30238397/>

Magnetic resonance imaging of infarct-induced canonical wingless/integrated (Wnt)/ β -catenin/T-cell factor pathway activation, in vivo

Matteucci M, Casieri V, **Gabisonia K**, Aquaro GD, Agostini S, Pollio G, Diamanti D, Rossi M, Travagli M, Porcari V, Recchia FA, Lionetti V. *Cardiovasc Res*. 2016 Dec;112(3):645-655. doi: 10.1093/cvr/cww214. Epub 2016 Sep 26. PMID: 27671803; PMCID: PMC5853574.

Link <https://pubmed.ncbi.nlm.nih.gov/27671803/>

Post-mortem CMR in a model of sudden death due to myocardial ischemia: validation with connexin-43

Aquaro GD, Di Paolo M, Guidi B, **Ghabisonia K**, Pucci A, Aringheri G, Gorgodze N, Veronica M, Chiti E, Burchielli S, Turillazzi E, Emdin M, Caramella D, Recchia FA. Post-mortem CMR in a model of sudden death due to myocardial ischemia: validation with connexin-43. *Eur Radiol.* 2021 Nov;31(11):8098-8107. doi: 10.1007/s00330-021-07890-1. Epub 2021 Apr 20. PMID: 33876299.

Link <https://pubmed.ncbi.nlm.nih.gov/33876299/>

CONFERENCES AND SEMINARS

12/11/2016 – 16/11/2016 – American Heart Association Scientific Sessions, New Orleans, LA

"Intramyocardial delivery of miR-199a reduces scar size and preserves contractile function in infarcted pig hearts"

HOBBIES AND INTERESTS

Illustration, Animation