

■ Name:

**Berishvili, Ekaterine**

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■ Education

University:

<b>1999-2003</b>	<b>PhD in Medicine</b> Tbilisi State Medical University, Tbilisi, Georgia
<b>1993-1999</b>	<b>MD</b> Tbilisi Medical Academy, Tbilisi, Georgia

Board certification:

<b>2005</b>	<b>General Surgery</b> Ministry of Labor, Health and Social Affairs, Tbilisi, Georgia
<b>2000</b>	<b>General Medicine</b> Ministry of Health, Tbilisi, Georgia

■ Current positions

<b>2023- to date</b>	<b>Technical director</b> Cell isolation and transplantation center, Department of Surgery University of Geneva Hospitals
<b>2020 - to date</b>	<b>Scientific collaborator, Group Leader</b> Department of Surgery, Laboratory of Tissue Engineering and Organ Regeneration, University of Geneva,
<b>2013- to date</b>	<b>Associate Professor of Medicine</b> Faculty of Natural Sciences and Medicine, School of Medicine, Ilia State University, Tbilisi, Georgia

## ■ Past positions

- 2022 (02/05-6/05):** **Visiting Professor:**  
Department of Health Sciences, Università degli Studi del Piemonte Orientale
- 2014–2020** **Scientific collaborator**  
Laboratory of cell isolation and transplantation, Department of Surgery,  
University of Geneva
- 2015 (01/10-31/12):** **Visiting Professor**  
Department of Health Sciences, Università degli Studi del Piemonte Orientale  
Amedeo Avogadro, Novara, Italy
- 2013–2014** **Visiting Scientist**  
Department of Medicine, Marion Bessin Liver Research Center, Albert  
Einstein College of Medicine, Yeshiva University, Bronx, NY, US
- 2010-2014** **Director of clinical research and Chief of the cell isolation and  
transplantation unit**  
Department for Cell Technologies and Therapy at Cancer Research Center,  
Tbilisi, Georgia
- 2008-2013** **Associate Professor**  
Department of Clinical Anatomy, Tbilisi State Medical University, Tbilisi,  
Georgia
- 2008- 2010** **Director, Institute of Experimental Medicine**  
Tbilisi State Medical University, Tbilisi, Georgia
- 2007-2008** **Deputy Director, Medical Skills Center**  
Tbilisi State Medical University, Tbilisi, Georgia
- 2006-2007** **Post-doctoral Research Associate**  
Department of Medicine, Marion Bessin Liver Research Center, Albert  
Einstein College of Medicine, Yeshiva University, Bronx, NY, USA (Prof.  
Sanjeev Gupta)
- 2005-2006** **Assistant Professor**  
Department of Topographic Anatomy and Operative Surgery, Georgian State  
Medical Academy, Tbilisi, Georgia
- 2004 (March-Aug):** **Visiting Scholar**  
Diabetes Research Institute, University of Miami, Miami, FL, USA (Prof. C.  
Ricordi)
- 2003 (Jan-March):** **Visiting Scholar**  
Department of Medicine, Marion Bessin Liver Research Center, Albert  
Einstein College of Medicine, Yeshiva University, Bronx, NY, USA (Prof.  
Sanjeev Gupta)
- 2003 (July-Aug):** **Visiting Scholar**  
Department of Medicine, Marion Bessin Liver Research Center, Albert  
Einstein College of Medicine, Yeshiva University, Bronx, NY, USA (Prof.  
Sanjeev Gupta)
- 1999-2005** **Fellow**  
Department of Visceral Surgery, K. Eristavi Experimental and Clinical  
Surgery Institute, Tbilisi, Georgia
- 1996-1999:** **Laboratory Technician**  
Department of Topographic Anatomy and Operative Surgery, Georgian State  
Medical Academy, Tbilisi, Georgia

## ■ Academic age

**Number of years since the first scientific publication: 19**

Pregnancy and childbirth – 1993-1994

## ■ Honors and awards

<b>2022</b>	STS Excellence Award, Swiss Transplantation Society 20th Annual Meeting January 26-27, 2023, Thune, Switzerland	20'000 CHF
<b>2013</b>	“Correction of diabetes by syngenic minimal mass islet transplantation into the small intestinal submucosa”, EPITA Award for the outstanding quality of abstract, 16th Congress of the European Society for Organ Transplantation (ESOT), September 8-11, 2013, Vienna, Austria	1'000 EUR
<b>2008-2009</b>	“I. Beritashvili for Outstanding Young Scientists” stipendium, Tbilisi, Georgia	12'000 GEL
<b>2005</b>	Alexander von Humboldt Fellowship	
<b>2004-2005</b>	Stipendium from the President of Georgia for Outstanding Young Scientists, Tbilisi, Georgia	12,000 GEL

## ■ Language skills

Georgian (mother tongue)

English (fluent)

Russian (fluent)

French (good)

Spanish (basic)

Italian (basic)

## ■ Research funding and grants

### Competitive grants and funds received in the last 5 years as main or co-applicant

Funding period	Funding entity- Title of the project -Role	Amount
01/10/16 -30/09/19	<b>Fonds National Suisse de la Recherche Scientifique</b> - The role of direct contacts between alpha and beta cells in the function of pancreatic islets (PI: D. Bosco), <b>Role: Co- Investigator</b>	<b>CHF 372,000</b>
01/03/19-01/03/21	<b>European Foundation for the Study of Diabetes</b> - Bioengineering of insulin-secreting, immunoprotective 3D constructs using hydrogel scaffolds. <b>Role: Principal Investigator</b>	<b>EUR 90,000</b>
01/01/20-31/12/24	<b>Horizon 2020 Framework Programme-VANGUARD 874700</b> ; <b>Role: Coordinator, Lead PI</b>	<b>EUR 6,844,625.00</b>
01/03/20-28/02/2023	<b>Juvenile Diabetes Research Foundation</b> - Bioengineering of a vascularized endocrine pancreas to cure type I diabetes. 3-SRA-2020-926-S-B-; <b>Role: Principal Investigator</b>	<b>USD 595,040.96</b>
01/06/22-31/05/2026	<b>Sinergia - Fonds National Suisse de la Recherche Scientifique</b> - Extravillous cytotrophoblastic cells: a tool for regenerative medicine. <b>Role: PI (Other PIs: M. Cohen and A. Dal Co)</b>	<b>CHF 2'193'923</b>
01/10/22-30/09/2026	<b>Fonds National Suisse de la Recherche Scientifique</b> - Macroencapsulation of stem cell-derived islet organoids in a hydrogel-based, prevascularized, retrievable biological platform. <b>Role: Principal Investigator</b>	<b>CHF 600'819</b>
01/10/23-30/09/2026	<b>Juvenile Diabetes Research Foundation</b> - Cryogel-based, prevascularized biological platform for islet transplantation. 3-SRA-2023-1441-S-B-; <b>Role: Principal Investigator</b>	<b>USD 621,125</b>

## ■ Research supervision and mentoring

### • Size and composition of research group over the last 5 years

1. **Antoine Marteyn (Male)** – Scientific Collaborator I
2. **Fanny Lebreton (Female)** - Post-Doc
3. **Kevin Bellofatto** - Post-Doc
4. **Juliette Bignard (Female)** - Post-Doc

5. **Victor Galvan (Male)** - Post-Doc
6. **Reine Hanna (Female)** – PhD Student
7. **Laura Fonseca (Female)** - MD-PhD Student
8. **Nicerine Krause (Female)** - MD-PhD Student
9. **Hiba Msheik (Female)** - PhD Student
10. **Lisa Perez (Female)** - Technician
11. **Caroline Rouget (Female)** – Technician

- **Lab Alumni**

***Former Post-Docs :***

**Rahul Khatri** - Post-doctorant (2020-2022)

**Masoud Hasany** - Post-doctorant (2020-2022)

**Konstantine Gogichaishvili (Male)** – Reserch Fellow (2022-2023)

***Former PhD students:***

**Charles-Henri Wassmer** - MD-PhD Student (2017-2020)

***Former Master Students:***

**Melanie Lopez** - 2022 (Spring Semester)

- **Mentoring and coaching**

**Research program for Medical students (PREM)**

- 2015: Romain Bonnet, University of Geneva (PREM)
- 2016: Matti Lindup, University of Lausanne (PREM at University of Geneva)
- 2023: Marina Rodrigues Lourenço, University of Geneva (PREM)

**Master Students:**

- 2008-2010: **Safia Kadir (Female)**, Tbilisi State Medical University
- 2008-2010: **Nanyamka K. Cudjoe-Gigauri (Female)**, Tbilisi State Medical University
- 2008-2010: **Damion Sinanan**, Tbilisi State Medical University
- 2012 – 2014: **Julien Neverfail Marshall**, Tbilisi State Medical University
- 2021-ongoing: **Angelo V. Acosta Barboza**, University of Geneva
- 2022 (Spring Semester): **Melanie Lopez**, master student from Prof. PY Benhamou lab (University of Grenoble) “Developing islet-like aggregates derived from hiPSCs for cell therapy of type 1 diabetes”, University of Geneva
- 2023 (Spring Semester): **Lorraine Couteau**, master student from **Université de Paris Cité** "Development of a novel placenta-derived hydrogel for

bioprinting: It's properties, printability and impact on islet viability ", University of Geneva

### **PhD/MD-PhD Students:**

- 2017- 2020: **Giorgi Kenchadze**, Faculty of Natural Sciences and Medicine, School of Medicine, Ilia State University
- 2017-2020: **Charles-Henri Wassmer**, Faculty of Medicine, University of Geneva
- 2021- ongoing **Laura Mar Fonseca (Female)**, Faculty of Medicine, University of Geneva
- 2021- ongoing **Reine Hanna (Female)**, Faculty of Medicine, University of Geneva
- 2023- ongoing **Hiba Msheik (Female)**, Faculty of Medicine, University of Geneva

### **Post-doctoral fellows**

- 2017-ongoing: **Kevin Bellofatto**, Faculty of Medicine, University of Geneva
- 2022-ongoing: **Juliette Bignard**, Faculty of Medicine, University of Geneva
- 2022-ongoing: **Victor Galvan**, Faculty of Medicine, University of Geneva
- 2020-2022: **Rahul Khatri**, Faculty of Medicine, University of Geneva
- 2020-2022: **Masoud Hasany**, Faculty of Medicine, University of Geneva

### **Awards, Prizes and Scholarships obtained by young researchers under my mentoring:**

1. **Dr. Charles-Henri Wassmer**, who is currently pursuing his surgical career at HUG, not only has successfully defended the thesis with the highest grade- **summa cum laude**, but also obtained following prizes and scholarships:

- Bio-engineering of insulin-secreting organoids:a step toward the bioartificial pancreas **Prix Arditi 2022 in Medecine for the best MD-PhD Thesis, Faculté de Médecine de l'Université de Genève, 5,000 CHF.**
- Bioengineering of novel vascularized, insulin-secreting, immunoprotective 3D organoids in a humanized mouse model. **Prix de la Fondation Henriette Meyer, Faculté de Médecine de l'Université de Genève, 10,000 CHF.**
- Bioengineered Organoids composed of islet cells, human umbilical vein endothelial cells and human amniotic epithelial cells improve islet function and survival in a diabetic mouse model. 10th EPITA Symposium & 39th AIDPIT Workshop (Innsbruck, jan. 26-27 2020). **Best Oral Presentation in Basic Science, 750 €**

2. **Dr. Fanny Lebreton, Postdoctoral Fellow:**

- Shielding Islets with Human Amniotic Epithelial Cells Protects Islets Against Hypoxia and Enhances Islet Engraftment and Revascularization after Transplantation in a Murine Diabetic Model. **17th World Congress of the IPITA (Lyon, July 02-05.2019), IPITA Travel Award, \$1000.**
- Shielding human islets with human amniotic epithelial cells enhances islet engraftment and revascularization. Journée annuelle de recherche clinique et fondamentale sur le foie, le pancréas, le tube digestif et la transplantation des Hôpitaux Universitaires de Genève (Genève, nov. 17.2019) **Prix Gilles Mentha**

(catégorie Recherche fondamentale), 1'500 CHF.

- Insulin-producing organoids engineered from islet and amniotic epithelial cells to treat diabetes. 18th Annual Meeting of the Swiss Transplantation Society (Thun, Jan 20-23.2020), **Laboratory paper Award, 1'500 CHF.**
- Human amniotic epithelial cells immunomodulatory properties protect islets against inflammatory cytokines in vitro. IPITA 2021 Virtual Congress (Oct. 20-23 2021), **Best Oral Abstract Award, \$500**
- Mechanisms of Immunomodulation and Cytoprotection Conferred to Pancreatic Islet by Human Amniotic Epithelial Cells. 19th Annual Meeting of the Swiss Transplantation Society (Thun, Jan 27-28.2022), **Laboratory paper Award, 1'000 CHF.**

### 3. Dr. Kevin Bellofatto, Postdoctoral Fellow

- Homemade hydrogel from human amniotic membrane improves islet transplantation outcomes in diabetic immunodeficient mice". IPITA 2021 online congress (oct. 20-23 2021), **Best Oral Abstract Award, \$500.**

## ■ Other scientific activities

### Scientific activities of the 5 last years:

#### Society Memberships

Dates	Description
2009-	Member, European Association for the Study of Diabetes (EASD)
2010-	Member, The Transplantation Society (TTS)
2010-	Member, Cell Transplantation and Regenerative Medicine Society (CTRMS)
2013-	Member, International Pancreas and Islet Transplant Association (IPITA)
2014-	Member, Swiss Transplantation Society
2020-	Member, Scientific Committee of the Swiss Transplant Cohort Study (STCS)
2011-	Member, European Society for Organ Transplantation (ESOT)
2021-2025	Councilor, European Society for Organ Transplantation (ESOT)
2023-2027	Councilor, Cell Transplantation and Regenerative Medicine Society (CTRMS)

#### Editorial Activities:

- *CellR4* - Editor in Chief
- *Transplant International* - Associate Editor
- *Artificial Organs* - Editorial Board Member
- *Biomolecules* - Editorial Topical Advisory Panel Member
- *Transplant International* - Guest Editor, Special Issue "The Future of Beta Cells"

- Replacement in the Era of Regenerative Medicine and Organ Bioengineering”
- *Frontiers in Gastroenterology* - Review Editor
  - *Medicina* - Co-Guest Editor, Special Issue "New Advances in Organ Engineering and Transplantation"
  - *American Journal of Biomedicine* – Editorial Board Member

**Ad Hoc Reviewer of Scientific Articles:**

- *Tissue Engineering*
- *PLoS One*
- *Cell and Tissue Banking*
- *BMJ Open Diabetes Research & Care*
- *Nature Protocols*
- *Nature Communications*
- *Nature Biomedical Engineering*
- *Stem Cells Translational Medicine*
- *EMBO Molecular Medicine*
- *Journal of Immunology and Regenerative Medicine*
- *Placenta*
- *Cells*
- *Biomaterials Science*

**Invited Lectures:**

Dates	Description
23.06.2012	“ <b>Bone marrow mononuclear cells transplantation in patients with liver diseases</b> ”. First International Symposium “Stem Cells & Regenerative Medicine”, Tbilisi, Georgia
05.10.2012	“ <b>Islet transplantation for the treatment of diabetes: Progress and challenges</b> ”. VII Georgian Congress of Allergology and Immunology, Batumi, Georgia
28.01.2013	“ <b>Novel extrahepatic sites for islet transplantation</b> ”. 3rd EPITA Winter Symposium&32nd AIDIPT Workshop, Innsbruck, Austria
26.09.2013	“ <b>Intestinal Submucosa and Isolated Venous Sac as Suitable Extrahepatic Sites for Pancreatic Islet Transplantation</b> ”. 14th World Congress of IPITA, Monterey, CA
22.10.2015	“ <b>Perspectives and Challenges of Cellular Therapy in Treatment of Type I Diabetes Mellitus</b> ” Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy
16.12.2015	“ <b>Current status and future promises of cell-based therapies for liver diseases</b> ” Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy
17.12.2015	“ <b>Properties of the amniotic membrane for potential use in tissue engineering</b> ” Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy



14.11.2016	<b>“Alternative Sites for islet transplantation”</b> . 8th NICE EPITA Workshop “Islet isolation and transplantation”, Geneva University Medical Center, Geneva, Switzerland
02.07.2019	<b>“Tissue engineering of endocrine pancreas”</b> . Young Investigator Pre-congress Symposia- <b>Discussions in cutting edge advances for Islet and Pancreas. Young Investigator Workshop Mentor</b> . 17th World Congress of International Pancreas and Islet Transplant Association, Lyon, France
18.09.2019	<b>“Delivering a Bioartificial Pancreas”</b> . <b>State-of the-Art Session-Biotechnology Shapes the Future of Beta Cell Replacement Therapy</b> . 19th Congress of the European Society for Organ Transplantation (ESOT), Copenhagen, Denmark
10.10.2019	<b>“Regenerative Medicine: Future treatment of <math>\beta</math>-cell insufficiency”</b> . <b>Keynote speaker at the Pancreas Meeting Eurotransplant Annual Meeting</b> , Leiden, The Netherlands
28.01.2020	<b>“Improvement of Islet Engraftment and Function by Co-Transplantation with Other Cell Types”</b> . 10th EPITA Symposium & 39th AIDPIT Workshop, Innsbruck, Austria
04.02.2020	<b>“Generation of a bioartificial pancreas for type 1 diabetes”</b> . Transplantation Grand Rounds, Geneva University Hospitals
02.04.2020	<b>“Generation of a Bioartificial Pancreas Using Placental Derivatives”</b> . JDRF Beta cell replacement consortium meeting, Online
18.09.2020	<b>“Generation of a bioartificial pancreas for type 1 diabetes”</b> . <b>Keynote speaker at the Endocrinology Session</b> . 15th YES Meeting, Porto, Portugal, held ONLINE
14.09.2020	<b>“The Role of Extracellular Matrix for Successful Islet Transplantation “</b> . <b>State-of-the-Art Session-Islet Transplantation Up to Date</b> . The 28th International Congress of The Transplantation Society (TTS 2020), Virtual
02.10.2020	<b>“Generation of a bioartificial pancreas for type 1 diabetes”</b> . Nephrology grand rounds, Geneva University Hospitals
7.10. 2020	<b>“Insulin-Producing Organoids Engineered from Islet and Amniotic Epithelial Cells To Treat Diabetes: Development Towards A Bioartificial Pancreas”</b> . i-Teams, University of Geneva
26.11.2020	<b>“Generation of a bioartificial pancreas for type 1 diabetes”</b> . Diabetes/Endocrinology grand rounds, Geneva University Hospitals
05.04.2021	<b>“Bioengineering of a vascularized endocrine pancreas to cure type I diabetes”</b> , JDRF Spring 2021 Beta Cell Replacement Consortium Virtual Meeting
15.04.2021	<b>“Generation of a bioartificial pancreas for type 1 diabetes “</b> , “La néphrologie du futur” symposium, Lyon, France
28.05.2021	<b>“Generation of Endocrine Pancreas Using Placental Derivatives”</b> , <b>State-of the-Art session- Cell and Biomaterials based Technologies in GI Bioengineering: Approaching the Bedside</b> . ISCT 2021 New Orleans VIRTUAL

29.08.2021	<b>“Super-Pancreas”</b> , Specialty <b>Update Symposium- What is new in the translational pipeline?</b> 20 <sup>th</sup> Congress of ESOT, Milan, Italy
10.09.2021	<b>“The road toward a new Pancreas: from organoids to bio-engineered pancreas”</b> , <b>ESAO – ESOT Joint Session- New challenges in organ replacement.</b> ESAO Congress 2021, London, UK
08.12.2021	<b>“Engineering a bioartificial pancreas”</b> . <b>Séance commune SFT / ESAO.</b> 21 <sup>ème</sup> Congrès Annuel de la Société Francophone de Transplantation, Geneva, Switzerland
03.05.2022	<b>“Perspectives and Challenges of Cell Therapy for Type I Diabetes”</b> . Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy
04.05.2022	<b>“Clinical Islet transplantation: Indications, procedure and results”</b> . Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy
05.05.2022	<b>“Generation of a bioartificial pancreas for type 1 diabetes”</b> . Visiting Professor Lecture, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Novara, Italy
23.05.2022	<b>“Bioengineering of a vascularized endocrine pancreas to cure type I diabetes”</b> . Spring 2022 Beta Cell Replacement Consortium Meeting; Los Angeles, USA
20.06.2022	<b>“Introduction to islet organoids”</b> . NICE EPITA Islet Isolation and Beta Cell Replacement Workshop, Oslo, Norway
24.10.2022	<b>“Organoids for the treatment of diabetes: "Fact or Fiction"?”</b> , 45th SITO National Congress, Trieste, Italy
21.03.2023	<b>“Generation of a bioartificial pancreas for Type 1 diabetes “</b> , Congrès national de la Société Francophone du Diabète, Montpellier, France
22.04.2023	<b>“Regenerative Medicine &amp; Bio-Engineered Approaches to <math>\beta</math>-cell Replacement”</b> , Postgraduate Course (EDS 2023), Tbilisi, Georgia
01.06.2023	<b>“Generation of a bioartificial pancreas for Type 1 diabetes”</b> , TREPID meeting, Biarritz, France
14.07.2023	<b>“Bioengineering of Endocrine Pancreas for Type 1 Diabetes”</b> , Visiting Professor Lecture, MERLN Institute for Technology-Inspired Regenerative Medicine, Maastricht, Netherlands
18.09.2023	<b>“Small Organs Large Aspirations. Next Generation Organoids“</b> , State of the Art Lecture, <i>ESOT2023, Athens, Greece</i>
11.10.2023	<b>“Bioartificial Pancreas to Cure Type 1 Diabetes”</b> , <i>Fokus Patient Transplantation Forum, Stockholm, Sweden</i>
22.12.2023	<b>“Beyond beta cell replacement: bioengineering the endocrine pancreas”</b> , <i>Transplant Immunology and Innovations in Immunotherapies, Paris, France</i>
11.01.2024	<b>“Bioengineering Endocrine Pancreas”</b> , 15th <i>TERMIS-AST-ISCT Webinar, online</i>
19.01.2024	<b>“Les Nouvelles Voies De Recherche En Thérapie Cellulaire”</b> , <i>Réunion scientifique Franco-suisse, Annesy, Switzerland</i>
26.01.2024	<b>“Bioengineering Endocrine Pancreas”</b> , 21st Annual Meeting of the Swiss Transplantation Society, Thun, Switzerland

## **Organization of Scientific Congresses:**

**2019** - Member of Scientific Program Committee: 17th World Congress of the International Pancreas & islet Transplant Association, Lyon, France, 2-5 July 2019

**2021** - Member of Scientific Program Committee: 19th World Congress of the International Pancreas & islet Transplant Association, Virtual Congress, 20-23 October 2021. I have organized and chaired the session: Road to the Clinic for Stem Cell-Based Therapies

**2021** – Member of Local Organizing Committee: 21<sup>ème</sup> réunion annuelle de la Société Francophone de Transplantation, Geneva, 07-10 December, 2021. I have organized the SFT/ESAO plenary joint session

**2022** – Member of Scientific Program Committee and Member of Executive Committee: ESOT 2023 Congress, 17-20 September, 2023, Athens, Greece. I am leading the organization of the Regenerative Medicine domain

**2023** - Member of Scientific Program Committee and Member of Executive Committee: ESOT 2023 Congress, 29 June-2 July, 2025, London, UK.

**2023** - Member of Scientific Program Committee: 18<sup>th</sup> CTRMS International Congress, 22-25 October, 2025, Tokyo, Japan.

## **■ Contributions to Open Science**

**I serve as the EIC of CellR4 and Associate Editor of Transplant international; both scientific journals are gold open access. The vast majority of my publications are open access.**

## **Scientific outreach**

### **Outreach activities (lay press, radio, television, social media, public events, etc.)**

1. Online workshop on ethics of early clinical trials in regenerative medicine in transplantation. Bio-artificial organs and bio-engineered or bio-printed tissues for transplantation in humans are rapidly being developed. It is anticipated that some applications will be ready for clinical testing in the near future. How can first-in-human clinical trials be conducted in a safe and responsible manner? What are ethical points to consider for early clinical trials of regenerative medicine in transplantation? This workshop brings together experts in the fields of regenerative medicine and ethics to discuss these ethical challenges. Meeting is open to the public. <https://vanguard-project.eu/events/ethics-workshop/>
2. HORIZON – The EU Research & Innovation Magazine, Lab grown and do-it-yourself: two emerging routes to an artificial pancreas. (<https://ec.europa.eu/research-and-innovation/en/horizon-magazine/lab-grown-and-do-it-yourself-two-emerging-routes-artificial-pancreas>)
3. The(Sugar)Science Podcast (<https://thesugarscience.podbean.com/?s=berishvili> ). the(sugar)science is a communication platform for global scientists studying Type 1 diabetes. In this episode, I discuss my research at the University of Geneva focused on the bioengineering of vascularized and immune-protected bioartificial pancreas that can be transplanted into non-immunosuppressed patients.
4. Online workshop on Type 1 Diabetes management, challenges and future perspectives. This workshop was interactive and was given for the community of patients with type I diabetes and their families. (<https://fb.watch/aBHlxnMVJF/>)

5. TV program «Main Diagnosis», interview on stem cell derived beta cells as a novel approach for T1D treatment. <https://fb.watch/aBJhExLI6V/>
6. TEDx Talk “Envisioning an Insulin-Free Future”, TEDxTbilisi, 2023  
[https://youtu.be/w22AC\\_slOrg](https://youtu.be/w22AC_slOrg)

■ **Management skills**

**Team and project management philosophy and experiences**

My style of management has evolved since I became a team leader in 2008, but I feel that a strong manager provides clear direction and guidance for team members to work in a collaborative rather than competing, and friendly environment. My management philosophy is to make sure my team has high morale and job satisfaction, which leads me to develop the best ways to delegate and direct a project toward its completion without experiencing exhaustion. Based on my personal experience, as a team leader I try to make sure my team is clear on expectations, tasks and their roles on projects so they have the room to exercise their unique creativity. However, I make sure to always be available to assist my team needs in problem-solving in their research projects.

**Experience**

1. **2008- 2010** - Director, Institute of Experimental Medicine at the Tbilisi State Medical University. I have managed a team composed of scientists, students and administrative clerks.
2. **2007-2008** - Deputy Director, Medical Skills Center, Tbilisi State Medical University, Tbilisi, Georgia. I have managed a team composed of tutors and administrative staff.
3. **2007-2013** I was leading my research lab composed of master students, PhD students and post-docs.
4. **Since 2020**, I am leading a scientific consortium with European universities and corporate partners, funded by the H2020 mechanism.
5. **Since 2020**, I am the leader of research group of Tissue Engineering and Organ Regeneration in the Department of Surgery.

■ **Institutional involvement**

- |            |  |
|------------|--|
| 2022-      | Member of the Swisstransplant working group on pancreas, islet and small bowel transplantation (STAPS) |
| 2021-      | Member of Scientific Committee, Swiss Transplant Cohort Study  |
| 2020 -     | Member, Faculty Diabetes Centre, UNIGE   |
| 2019-      | Member, Reproduction unit, Faculty of Medicine, University of Geneva                                   |
| 2007-2010: | Member, Committee of Thesis, Tbilisi State Medical University  |