

Vanja SISIRAK, ORCID: 0000-0003-3070-653,

Born: 15th of July 1982 in Mostar, Bosnia and Herzegovina, Nationality: French

Address: CNRS UMR 5164 - Immunoconcept, Université de Bordeaux, Bat BBS, 2 rue du Dr Hoffmann Martinot, 33000 Bordeaux, France. ☎ +33 7 82 71 98 78, ✉ vanja.sisirak@u-bordeaux.fr

1. EDUCATION

- 2023: Habilitation à diriger des recherches (HDR), Université de Bordeaux
- 2006-2010: PhD in Immunology Université Claude Bernard, Lyon, France (Supervisors: Dr. Christophe Caux and Dr. Nathalie Bendriss-Vermare), Cancer Research Center of Lyon (CRCL)
- 2003-2006: B.Sc & M.Sc in Molecular and Cellular Biology, Ecole Normale Supérieure of Lyon, France

2. CURRENT POSITION

- 2018-present: Directeur de Recherche de Classe 2, Centre National de la recherche Scientifique (CNRS), UMR CNRS 5164 – Immunoconcept, Université de Bordeaux, France

Project: *Regulation of DNA sensing in cancer immunosurveillance, autoimmune and inflammatory syndromes.*

3. PREVIOUS POSITIONS

- 2018-present: Chargé de Recherche de Classe Normale, Centre National de la recherche Scientifique (CNRS), UMR CNRS 5164 – Immunoconcept, Université de Bordeaux, France

Project: *Regulation of DNA sensing in cancer immunosurveillance, autoimmune and inflammatory syndromes*

2017-2018: Junior Group Leader (IdEx junior chair - "recruitment of high-level young researchers")

UMR CNRS 5164 – Immunoconcept, Université de Bordeaux, France

Project: *Regulation of DNA sensing in cancer immunosurveillance, autoimmune syndromes and inflammatory disorders.*

- 2015-2017: Associate research scientist (Supervisor: Dr. Boris Reizis), Department of Medicine and Pathology, New York University, New York, USA

Project: *Study of tolerance break mechanisms to self-DNA in systemic lupus erythematosus (SLE)*

- 2010-2015: Postdoctoral fellow (Supervisor: Dr. Boris Reizis), Department of Microbiology and Immunology, Columbia University, New York, USA

Project: *Characterization of a novel monogenic model of systemic lupus erythematosus (SLE)*

4. TEACHING ACTIVITIES

- 2018-present: Lecturer for the Master 1 and 2 students, University of Bordeaux, France

Lecture: *Oncoimmunology (10h/year) and Auto-immunity (10h/year).*

- 2015-2016: Lecturer for Medical Degree students, New York University, USA.

Lecture: *Immunological mechanisms of hypersensitivity (4h/year)*

- 2007-2009: Lecturer for MD (Cours Galien¹) & M1 students (Faculté Catholique²), Lyon, France

Lecture: *Basics in Cellular biology (24h/year) and Initiation to tumor immunology (20h/year)*

5. SUPERVISION ACTIVITY

- I am currently supervising a research group including 1 Associate Professor, 1 CNRS research engineer, 3 PhD students and 2 Master 2 students.

- In the past I supervised 1 Post-doctoral fellow, 5 PhD students and 6 Master students.

Most of them are pursuing scientific careers, with 5 of them in industry and 5 of them in academic research

6. FELLOWSHIPS AND AWARDS

- 2015: Scholarship, Keystone symposia (Autoimmunity & Tolerance), Keystone, USA.
- 2012: Postdoctoral fellowship (3 years), Cancer Research institute (CRI), New York, USA
- 2011: Postdoctoral fellowship (1 year), Fondation pour la Recherche Médicale (FRM), France
- 2010: Doctoral fellowship (1 year), Association pour la Recherche sur le Cancer (ARC), France
- 2009: Scholarship, Keystone symposia (Biology of Dendritic Cells), Banff, Canada.
- 2007-2008: 2 Best communication awards at the CFCD symposium (Paris) & EACR symposium (Lyon)
- 2006: Doctoral fellowship (3 years), Allocation du Recherche (MENRT), France
-

7. ORGANIZATION OF SCIENTIFIC MEETINGS

- 12/2023: French Dendritic Cell Society (CFCD), international symposium in Bordeaux (120 participants)
- 01/2023: Bordeaux "Oncosphere" international meeting (250 participants)
- 03/2022: Franco-Indian online workshop on "Obesity-mediated inflammation" (80 participants)
- 12/2021: CFCD international symposium in Paris (120 participants)
- 09/2019: CFCD & European Macrophage and Dendritic cell Society (EMDS) in Marseille (410 participants)
Role: speaker invitation, fundraising, abstract selection, and session chair.

8. INSTITUTIONAL RESPONSIBILITIES

- Since 2022: Jury Member, Master Microbiology and Immunology, University of Bordeaux, France
- Since 2020: Member, Sustainable development group, University of Bordeaux, France
- Since 2019: Jury Member, Ecole Doctorale SVS, University of Bordeaux, France
- Since 2019: Ethical committee member, University of Bordeaux, France

9. REVIEWING ACTIVITIES

- 2020-2022: Guest Editor, Methods in Molecular Biology on « Dendritic cells protocols ».
- Since 2018: Reviewer for Journal of Immunology Research, Cellular Immunology, Annals of Rheumatic Diseases, Apoptosis, Biomaterials and Frontiers in Immunology, Journal of Investigative Dermatology
- Since 2018: Grant evaluation for the French Research Agency, French Society of Dermatology, IdEx program of Strasbourg University, Arthritis Fondation Courtin and the Canceropôle Nord-Ouest
- Committee (Jury) member for 2 Assistant Professor recruitments, 3 HDR Defenses and 9 PhD defenses.

10. INVITED PRESENTATIONS

- Since 2020 I had 7 invitations at national and international conferences (*Nucleic Acid Immunity Symposium (Avignon, 2024)*, *Immunology Symposium (Strasbourg, 2023)*, *4th CeSin Symposium (Kolkata, India, 2023)*, *Oncosphere Symposium (Bordeaux, 2023)*, *CFCD Symposium (Paris 2021)*, *ITMO I3M Symposium (Marseille, 2021)* and *FERI Scientific Days (Tours, 2021)* and 5 at national and international institutions (*INFINITY, (Toulouse 2023)*, *IRCM (Montpellier 2023)*, *CSIR-IICB (Kolkata, India 2023)*, *CRTI (Nantes 2020)* and *CIRI (Lyon 2020)*).

11. FUNDING

- 2023-2027: Institut National du Cancer (InCa PLBio) (PI) 576K€
Title: *Functions of extracellular DNASEs in the regulation of anti-tumor immunity.*
- 2021-2024: Agence Nationale de la Recherche, (ANR JCJC), (PI) 326k€
Title: *DNASE1L3 role in obesity-mediated inflammation and metabolic syndrome (DOMINO).*
- 2021-2023: Indo-French Centre for Promotion of Advanced Research (IFCPAR), (Co-PI) 200k€
Title: *Exploring the role of Dnase1L3 in the development of obesity associated metabolic syndrome.*
- 2018-2021: CLIP Program, Cancer Research Institute (CRI), New York, USA, (PI), 163k€
Title: *In vivo study of mechanisms that regulate tumor DNA immunogenicity during cancer immunosurveillance.*
- 2017-2021: IdEx Junior Chair award, Bordeaux University, France, (PI), 300K€
Title: *Study of Dnase1L3 as a novel regulator of tumor-derived microparticles processing and immunogenicity*
- 2019-2021: Fondation Bristol-Myers Squibb, France, (PI), 50k€
Title: *Impact of extracellular DNASEs deficiency on the efficacy of immune checkpoint inhibitors.*
- 2017-2021: Fondation pour la Recherche Médicale (FRM), (Partner) 393k€ / 4 years
Title: *Microparticle functions in systemic autoimmune diseases syndromes*

12. OUTREACH

- 2023: "La recherche ouvre ses portes", Université de Bordeaux, France
Role: *Opening of the laboratory to the public in order to expose them to the daily life of a scientist.*
- 2023: "Le bureau des enquêtes" CAP Science, Bordeaux, France.
Role: Discussion with the public on 3 objects brought by a scientist to make the, guess the project he/she is working on.
- 2020: "SIRIC BRIO Bright Days" Palais de la Bourse, Bordeaux, France.
Role: *Panelist on the theme of neo-adjuvant therapies and immunotherapies for cancer patients*
- 2017: Scientist the human, podcast on postdoctoral work on DNASE1L3 on lupus pathogenesis