



Early stage researcher specializing in cancer immunology and tumor microenvironment. Well-versed in basic lab techniques such as qPCR, RT-qPCR, Immunohistochemistry, Western Blot, Cell culture etc. Strong background in medical sciences and oncology.

Azzaya Sengedorj

Personal Information

Birthdate 17/01/1997
Gender Female
Nationality Mongolian
Residence Germany

Skill Highlights

- Cell culture
- Molecule biological techniques
- Biochemistry techniques
- Animal experimentation
- Data and image processing

Languages

Mongolian - Native speaker
English- C1
French- B1
German-A2

Contact

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Experience

- **BCI Laboratory, CEA Grenoble, Grenoble , France**
6-months internship 2020
Immunohistochemistry, Western Blot, RT-qPCR
- **Mongolian Health Initiation NGO, Oulanbator, Mongolia**
Medical assistant 2018-2019
Research assistant, take measurements, Consult the study participants
- **College of Medicine, Konyang university, Daejeon, South Korea**
Internship for International Students 2018
General techniques and procedures in surgery and internal medicine, clinical evaluation in patients, consult diagnostic and treatment approaches

Education

- **Bachelors in Medical Science, Medical Doctor**
Mongolian National University of Medical Science
Oulanbator, Mongolia 2013-2019
- **Masters of Science Nanomedicine and structural biology**
Grenoble INP Phelma , Grenoble, France 2019-2020

Projects

- **METASTATIC KIDNEY CANCER: THE MECHANISM OF ACTION OF NEW COMBINATIONS OF PROTEIN KINASE INHIBITORS ON ORGANOTYPIC CULTURES OF HUMAN TUMOR SECTIONS**
BCI Laboratory, CEA, Grenoble, France 2020
Assessing anti-tumor drug therapy on metastatic renal cancer
- **DEVELOPMENT OF A PORTABLE MOLECULAR DIAGNOSTIC DEVICE USING NANOPARTICLES**
MagIA Diagnostic, Grenoble, France 2019
Developing portable molecular diagnostic device using magnetic beads in PCR

Projects

- **EARLY DETECTION OF ATHEROSCLEROSIS**

Mongolian National University of Medical Science, Department of Cardiology
2018

Assessing Atherosclerotic Cardiovascular Disease Risk in individuals to detect the atherosclerosis in early stage

Create database of atherosclerotic cardiovascular heart disease

- **EFFECT OF VITAMIN D IN PREVENTION OF TUBERCULOSIS IN SCHOOL AGE CHILDREN**

Mongolian Health Initiation NGO **2018-2019**

Cohort study which evaluates the effect of vitamin D in prevention of tuberculosis and other diseases (respiratory infections, asthma etc.)

Job related skills

- **Cell culture**

Culturing highly metastatic cancer cell lines (786-0 etc.), Patient derived organotypic tissue slice cultures,

- **Molecular biology techniques**

RNA extraction, DNA purification, qPCR, RT-qPCR, PCR

- **Biochemistry techniques**

Western Blot, Immunohistochemistry

- **Animal experimentation**

Preparing patient derived xenografts, dissection of PDXs

- **Image and data processing**

Image J, Statistical analysis in R programming, SPSS, Microsoft office programs

Publications

"DETERMINING THE CAUSES AND RISK FACTORS OF CHRONIC HEART FAILURE AND RELATED MORTALITY BY COMPARING IT TO THE LEFT VENTRICULAR EJECTION FRACTION"

"Symposium "Research compilation journal, OULANBATOR, 2017 pg 34-36

" THE RELATIONSHIP BETWEEN SOME RISK FACTORS OF CHRONIC HEART FAILURE AND NT- PROBNP"

INNOVATE Research journal, OULANBATOR 2018, pg 45-47

" RARE CLINICAL CASE REPORT - MYOCARDIAL BRIDGE"

Mongolian journal of Pathology, Oulanbator, 2018, pg 86-88

"RISK ASSESSMENT OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE USING A RISK CALCULATOR"

DISCOVERY Research journal, Oulanbator, 2019, pg 4-6