**Dr. Khedidja BENSEDDIK**

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**SUMMARY**

Highly motivated and skilled professional with thirteen year’s research experience in cell biology and genetic applied to oncology; and seven year’s teaching experience working as head of a team and coordinator of genetic and applied immunology modules, principally in pharmacy department.

Possess extensive knowledge in cell biology, molecular biology applied to oncology. Outgoing and resourceful with robust work ethics. Resilient, tenacious achiever, innovative and ready to do all it takes to deliver results. Looking forward to utilize my strong skills to achieve organizational goals.

**Skills and Core Competencies**

* **Time Management:** Multi-Tasking, Organization, Adaptability, Team playing.
* **Interpersonal Skills:** Communication, Critical Thinking, Innovation, Integrity.

**PROFESSIONAL EXPERIENCE**

**RESEARCH**

**Research Collaborator -** University of Science and Technology Oran - Algeria. **2013** till date

Lab: Laboratoire de Génétique moléculaire et cellulaire.

Working on four projects on genetic polymorphisms in cancers. With three scientific publications in impacted journals.

**Action Collaborator -** EHS Centre de Lutte Contre le Cancer. Batna. Algeria. **2016-2018**

Volunteered in setting up and starting-up the cytometry and the molecular biology units.

**Master and Doctoral Fellow -** Aix-Marseille University, Marseille, France. **2006-2012**

Lab: Centre de Recherche en Cancérologie de Marseille-Institut Paoli-Calmette. CRCM-IPC.

Cancer cell motility team.

Worked on cancer cell migration mechanisms and pathways. With two scientific publications in impacted journals.

Managed the transfection and transformation reagents supply within the research center CRCM-IPC.

**TEACHING**

**Batna 2 University – Medicine Faculty.- Algeria** 2013 till date.

Lecturer - Genetics to 2nd year pharmacy students (Over 800 hours), and - Immunology to 4th year pharmacy students (Over 600 hours).

* Leading a team with two teaching assistants and a lab engineer.
* Responsible for preparing and giving lectures & tutorials.

**Paramedical School- Batna.- Algeria (Contract)** 2017-2019.

Lecturer - Molecular and Cellular Genetics to 2nd year students (80 hours), and Immunology to 2nd year students (80 hours).

**EHS Centre de Lutte Contre le Cancer. Batna. (Invited) 2017**

Gave immunology courses to resident doctors specialized in hematology. (6 hours)

**Conducted workshops on communication teamwork skills, and presentation skills 2016-2017**

**COMPLETED SUPERVISIONS**

* **Undergraduated students:**

Raphaële Millat-Carus (CRCM-IPC Lab, France).

* **Master Students:**

Nadine Sen Nkwe, Salma Hassan (CRCM-IPC, France).

Ahlem Hamlaoui, Lamia Brahimi, Leila Chekhchoukh (Biology Department. Batna2 University, Algeria).

* **Pharmacy students:**

Meriam Mellakhsou, Asma Mohammedi, Imen Kaouther Nezzar, Ghania Laouar, Bariza Nacer, Tarek Nait Atmane, Amira Lahmari, Remaissa Laouar, Yousra Lassed (Immunology Lab CHU Batna. Pharmacy Department, Batna2 University, Algeria).

**TECH SKILLS**

**Cell biology and biochemistry techniques**

* Cell culture and transfection/nucleofection (human immortalized cell lines).
* Cell and subcellular imaging: confocal microscopy (ApoTome ImagerZ1 Zeiss microscope) and video microscopy (Zeiss Axio- vert 200).
* Motility assays: live microscopy for directed migration in DUNN chambers, and Boyden chambers with automatized counting.
* Adapt Ibidi® inserts for centrosome movement analysis during wound healing.
* Flow cytometry for intracellular and cell surface antigens detection and quantification and for cell isolation (FACS Becton Dickinson Diva).
* Pull Down, Immunoprecipitation, Western Blotting, and ELISA.

**Molecular Biology Techniques**

* Extraction of nucleic acids
* Conventional and real-time quantitative PCR (Taqman)
* DNA Cloning
* Recombinant proteins expression and purification
* Genotyping by PCR-SSP and PCR-RFLP

**Software**

* SDS 2.3 RQ Manager 1.2 for Q RT PCR - Taqman
* Metamorph software (Universal Imaging Corporation) to analyse images of video microscopy
* Image J for processing data of cell imaging
* FACS Diva software for cytometry data analysis
* Adobe Illustrator for drawing vectorised images
* GraphPad PRISM for statistical data analysis

**PUBLICATIONS**

- Abderrahman Rym, **Khedidja Benseddik\***, Dorgham Samia, Boudjema Abdallah, Benrahal Fouzia, Saidi-Mehtar Nadhira. TP53 Arg72Pro and MDM2 SNP309 polymorphisms in chronic myeloid leukemia: An Algerian population study. Indian J Hum Genet. **Submitted**. ***\* Co-first and Corresponding Author.***

- Abderrahman Rym, **Khedidja Benseddik\***, Louhibi Lotfi, Moghtit Fatima Zohra, Boubekeur Amina, Boudjema Abdallah, Benrahal Fouzia, Mehtar Nadhira Basal Cell Carcinoma risk and TP53 Arg72Pro polymorphism: An Algerian population study. International Journal of Cancer Management: 11 (4); e11351. **2018**. ***\* Corresponding Author.***

**- Khedidja Benseddik**. Genetic tests in oncology: A Swiss knife (revue article in French). Batna J Med Sci. **2015**.

- Rym Abderrahmane, Fatima Zohra Moghtit, Wefa Boughrara, Amina Boubkeur, **Khadidja Bnseddik**, Abdellah Boudjema, Fouzia Benrrahal, Meriem Aberkane, Mostefa Fodil, Nadhira Saidi-Mehtar, Lotfi Louhibi. Association of MDM2 SNP309 and TP53 Arg72Pro Polymorphisms with Risk of RA in the Algerian Population. JMSCR. **2014**.

- Rym Abderrahmane, Lotfi Louhibi, Fatima Zohra Moghtit, Amina Boubekeur, **Khedidja Benseddik**, Abdellah Boudjema, Fouzia Benrrahal, Meriem Aberkane, Mostefa Fodil, Nadhira Saidi-Mehtar. TP53 Arg 72Pro and MDM2 SNP309 Polymorphisms and Colorectal Cancer Risk: A West Algerian Population Study. Pathol Oncol Res. **2014**.

**- Benseddik K**, Sen Nkwe N, Daou P, Verdier-Pinard P, Badache A. ErbB2-dependent chemotaxis requires microtubule capture and stabilization coordinated by distinct signaling pathways. PLoS One. **2013**.

- Zaoui K, **Benseddik K**, Daou P, Salaün D, Badache A. ErbB2 receptor controls microtubule capture by recruiting ACF7 to the plasma membrane of migrating cells. PNAS. **2010**.

**MEETINGS ATTENDED**

**2017-2018-** 2 poster presentations at 2nd edition of **International Conference of Biotechnology.** ESSBO**. Oran**, and 2nd edition of **International Conference: Maladie génétiques**: du fondamental à la clinique. **Batna**. Algeria.

**2015** - Oral communication and organiser : 13th edition of **Journées Nationales de Pharmacie**. Université de Batna 2: “Cancers et usage rationnel des anticancéreux”. Batna. Algeria.

**2012 -**  Oral communication and poster presentation: **Doctoriales en Provence** 5th Workshop. Doctoriales allows meeting of young researchers with the world of business. Baume les Aix, France.

**2008-2011 -**  4 poster presentations at : **-** 4th **Gordon Research Conference (GRC)** on Gradient Sensing and Directed Cell Migration. Les Diablerets Conference Center, Switzerland. **-** 4th annual meeting **Canceropôle PACA** “Microtubule cytoskeleton & cancer”. Marseille, France. **-** 17th **Symposium of the Graduate School** of Life Sciences and Health Marseille, France. **-** **Workshop Inserm**: "Microtubule dynamics and cell migration”. Saint Raphael, France,

**2010** - Oral communication and poster presentation: **Young Researchers in Life Sciences meeting (YRLS**), 1st annual meeting. Paris, France.

**AWARDS**

- Batna2 fellowship for project initiation. **2017**

- GEFLUC grant (French Companies against Cancer). **2012**

- FRM fellowship (Fondation de Recherche Médicale de France). **2011-2012**

- BFA fellowship (Bourse Franco-Algerienne). **2007-2011**

- University valedictorian honours (USTO. Oran, Algeria). **2006**

**EDUCATION**

- PhD in human pathologies, option: Oncology. **2007-2012**

Aix-Marseille University, France.

- Master in Oncology, option: Pharmacology and therapeutics. **2006-2007**

Aix-Marseille University, France.

- Engineering degree in Molecular and Cellular Genetics. **2006**

University of Science and Technology Oran (USTO), Algeria.

**REFEREES**

**Referee 2:**

Name: Ali Badache, Ph.D

Email: ali.badache@inserm.fr

Centre de Recherche en Cancérologie de Marseille. France.

**Referee 1:**

Name: Kossay Zaoui, Ph.D

Email: kossay.zaoui@mail.mcgill.ca

Centre de Recherche du Centre hospitalier de l’Université de Montréal. Canada.

**Referee 3:**

Name: Fouzia Zemani Fodil, Ph.D

Email: fouzia.fodil@gmail.com

Université des Science et de la Technologie Oran. Algeria.