Yulia Shaulov

Mobile: 0539618107 / e-mail: yulia.shaulov1982@gmail.com

- ***Broad experience in pharmaceutical sciences****: medicinal chemistry, biochemistry*
- ***Specializing in preparing and writing patent applications, scientific publications, results summary and oral presentations***
- *Gathering of knowledge and transferring it to colleagues with fine communication and verbal skills.*
- ***Specializing in project management,*** *building of a research plan; and data analysis*
- ***Creative team management****: strong team player with good leadership skills, building work plans, troubleshooting and mentoring*
- ***Implementation*** *of protocols according to international standards*

Education:

2009 – 2014 Ph.D., Medicinal Chemistry

Faculty of Medicine, Institute for Drug Research, The Hebrew University of Jerusalem, Israel.
Thesis:" Caspase 3 Quenched Fluorescent Activity-Based Probes for Real Time Imaging of Apoptosis and Studying Chemotherapy Resistance ".
Innovation: Development of compounds for non-invasive real-time imaging of apoptosis and cancerous processes, which will serve for developing better chemotherapies.
Interdisciplinary research including chemical synthesis and biochemical analyses, finally leading to real time imaging. **Supervised by Prof. Galia Blum and Prof. Hoffman.**

2006- 2008 M.Sc., Medicinal Chemistry

Faculty of Medicine, Institute for Drug Research, The Hebrew University of Jerusalem, Israel.
Thesis: "Electrocoating of stainless steel stents" under supervision of **Prof. Abraham J. Domb** in laboratory for biomedical polymers. Developing new medical devices- drug eluting stents.
Innovation: Improving commercial drug eluting stents by chemical modification of stents surface.

2000–2003 B.Sc. Degree

Undergraduate studies in Chemistry, Tel-Aviv University, Tel-Aviv, Israel.

Professional Experience:

05.2024- 09.2024- Scientific Advisor in the field of chemistry, pharma, and biotech, Geyra Kesten Frydman, Tel-Aviv, Israel. Continued working as a patent attorney trainee and practiced prosecution in Israel and rest of the word which included advising strategy to clients (pharmaceutical companies), drafting claims, and drafting patent applications for new compounds.

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16.04.2023- 04.2024- Scientific Advisor in the field of chemistry, pharma, and biotech, Pearl Cohen Zedek Latzer Baratz, Tel-Aviv, Israel. Working as a scientific advisor and a patent attorney trainee. During that year I practiced prosecution in Israel and rest of the word (including advising strategy to clients, and drafting claims), and some experience in drafting applications.

10.2020-10.2021 Group manager at QC Dexcel pharma, Or Akiva, Israel.
Responsibility for the team work-plan regarding the characterization of the company products. Building daily and weekly work-plans, daily group meetings and troubleshooting, writing technical protocols and SOPs (Working in accordance to GMP guidelines). Managing: investigations, performing corrective actions in collaboration with QA department. Annually evaluation of the employees and promoting their qualifications.

2019- 06.2020- Director of Formulation Chemistry at a Start-up company, Neswell Group, Tel-Aviv, Israel.
Developing new technologies to receive innovative medical products and devices, based on cannabis oil (medical devices, emulsions, and creams). Responsibility for:

- Scientific Advisor to R&D team and the professional staff regarding the chemistry and the company products
- Managing the R&D chemistry projects, writing and building scientific and technical work-plans, working with suppliers and collaborations in Israel and abroad.
- Establishing chemical laboratory, implementation of analytical equipment, writing protocols and SOPs for the users.

05.2017- 03.2018 - Senior Chemistry Researcher at **Stratasys, Rehovot, Israel**.
Developing polymer formulations for innovative materials formed using 3D printing technologies. Building work plans, managing projects and professional staff, transformation of products from R&D to production lines, working with CROs.

10.2014- 04.2017 - Senior Chemistry Researcher in **Metabomed, Yavne, Israel**.
Operation of chemical laboratory according to GLP conditions in Drug Discovery company. Developing advanced analytical methods for purification and detection of organic compounds and tissue extracted metabolites, and developing methods for quantification and building databases. Data summary and presentation of results in team meetings.

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2009-2013 - Teaching assistant in “ORGANIC CHEMISTRY” course for undergraduate students, School of Pharmacy, The Hebrew University of Jerusalem.

2009-2011 - Hadassah Academic College Jerusalem, Jerusalem, Israel – Lecturer of the course "Biomedical Polymers".

05.2008- 06.2009 – **Common Sense Company, Caesarea, Israel** – Responsibility for QC/ R&D chemical laboratory with emphasis on product characterization and development of new diagnostic products. Running the lab with the help of laboratory technician (according to GMP):

- Full QC analysis of the products in accordance to the SOPs,
- Developing new diagnostic products
- Dealing with validation processes and transformation of different methods from R&D to production lines. Traveling in Israel and abroad for optimization of the pilot product
- Participation in clinical trials of the products

07.2003- 03.2006 - Chemist in analytical department (QC) of **Teva pharmaceutical company**. Working with analytical methods and techniques related to pharmaceutical industry (HPLC, FT-IR, UV), and guiding new workers in all related to analytical methods, apparatus and pharmacopeia’s.

Scientific work - 14 years of experience:

- Data summary and oral presentations
- Writing scientific articles, patents and reports in English; Patents survey
- Documentation and registration of techniques (protocols) in the process of developing new products and operation of the laboratory according to GMP/GLP conditions

Courses: CRA COURSE
Computer Skills: Office, SciFinder, EndNote, Adobe illustrator, Xcalibur, ChemDraw, Photoshop.
Languages: Hebrew, Russian - native tongues; English - fluently

Publications

- Yulia Shaulov-Rotem, Emmanuelle Merquiol, Tommy Weiss-Sadan, Ofra Moshel, Seth Salpeter, Doron Shabat Farnusch Kaschani, Markus Kaiser and Galia Blum. A novel quenched fluorescent activity-based probe reveals caspase-3 activity in the endoplasmic reticulum during apoptosis, Chem. Sci., 2016, 6, 7, 1322.

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- Y. Shaulov, R. Okner, Y. Levi, N. Tal, D. Mandler and A.J. Domb. Polymethylmethacrylate Grafting onto Stainless Steel Surfaces: Application to Drug Eluting Stents, ACS Appl. Mater. Interfaces 2009, 1(11), 2519–2528**.**

- R. Okner, Y. Shaulov, A.J. Domb and D. Mandler. Electropolymerized Tricopolymer Based on N-Pyrrole Derivatives as a Primer Coating for Improving the Performance of a Drug-Eluting Stent, ACS Appl. Mater. Interfaces, 2009, *1* (4), 758–767.

- G. Shustak, Y. Shaulov, A.J. Domb, and D. Mandler. Electrostatic Attachment of Gold and Poly(lactic acid) Nanoparticles onto w-Aminoalkanoic Acid Self-Assembled Monolayers on 316L Stainless Steel, Chem. Eur. J., 2007, 13, 6402 – 6407.

Patents

- Blum Galia; Shaulov Yulia, Bogyo Matthew and Edgington Laura. **Caspases Quenched Fluorescent Activity-Based Probes for Real Time Imaging of Apoptosis in Cells and *In Vivo* for Studying Apoptosis and Cancer Chemotherapy Resistance**. Patent number: 61/363,083 filed April 2013.

- Domb, Abraham J.; Shaulov, Yulia; Levi, Yair; Mandler, Daniel; Tal, Noam. **Medical Devices Having a Matrix Adhered Thereof.** International publication number WO 2008/090555 filed January 2008**.**