BÁLINT SZABÓ, PHD

CEO, MALE
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PROJECT ACTIVITIES AND RESPONSIBILITIES

Chief Executive Officer
Responsible for the R&D project, business development, marketing and sales activities

RELEVANT EXPERIENCE

CEO of CellSorter Scientific since 2005
CEO of CellMovie Company for Innovations 2005-2014.

CAREER HISTORY

Please ensure that your current job position is mentioned first in the table below.

EXPERIENCE

2005-2020
CEO, CELLSORTER SCIENTIFIC, BUDAPEST
Roles and responsibilities

2004-2020
ASSISTANT PROFESSOR, EÖTVÖS UNIVERSITY, BUDAPEST
Research, technology development, and teaching

2001
RESEARCH ASSISTANT, NATHAN KLINE INSTITUTE, NY, USA
MRI Research

EDUCATION AND QUALIFICATIONS

1999-2003
PHD IN BIOPHYSICS, EÖTVÖS UNIVERSITY, BUDAPEST

1997-1999
MSC IN BIOPHYSICS, EÖTVÖS UNIVERSITY, BUDAPEST

1994-1997
BSC IN PHYSICS, TECHNICAL UNIVERSITY OF BUDAPEST

ADDITIONAL SKILLS

- Expertise in optical microscopy, microfluidics, robotics, biosensors, and single cell science

PUBLICATIONS

MOST RELEVANT SCIENTIFIC PAPERS:

1. B. Francz et al.: Subnanoliter precision piezo pipette for single cell isolation and droplet printing, Microfluidcs and Nanofluidics 24: 12 (2020)
2. K. Piatkevich et al.: A robotic multidimensional directed evolution approach applied to fluorescent voltage reporters, Nature Chem. Biol. 14, 352 (2018).
3. R. Ungai-Salánki et al.: Automated single cell isolation from suspension with computer vision, Nature Scientific Reports 6: 20375 (2016)
4. Z. Környei et al.: Cell sorting in a Petri dish controlled by computer vision, Scientific Reports 3: 1088 (2013)

For a comprehensive list of my publications please see my website: http://balintszabo.web.elte.hu/publications.html

PATENTS:

1. Piezoelectric micropipette, WO2020165617A1, CellSorter Kft, 2019.
2. Assembly for switching optical path and optical microscope including the assembly, WO2020121007A2 (A3), Eoetvoes Lorand Tudomanyegyetem, 2018.
3. Piezoelectric micropipette, HU1700353A2, Szabo Balint, 2017.
4. Pipette fastening arrangement positioned to an objective and method for positioning a pipette, HU1000339A2 (B1), Szabo Balint, 2010.
5. Incubator procedure for observing living cells with microscope, HU0700362A2 (B1), Szabo Balint, 2007.

FURTHER INVENTIONS:

1. Exciting equipment for selective plane illumination microscope, as well as microscope having such equipment, HU0900540A2, Eotvos Lorand Tudomanyegyetem, 2009.
2. Multilayer gel microstructure for chemical modification of macromolecules, HU0400408A2, Szabo Balint, 2004.
3. High spatial resolution electronic thermometer chip, HU0203830A2, Szabo Balint, 2002.

AWARDS AND KEY ACHIEVEMENTS

- Special award at the Hungarian Youth Innovation Contest (1999)

MEMBERSHIPS AND SOCIETIES

- Hungarian Biophysical Society