



Ypsomed Innovation Award

Business start-ups by award winners
Implementation into products

2018

- 1. prize:** Dr. Samuel Zürcher and team, Certus Diagnostics:
Molecular rapid test platform for reliable on-site detection of specific pathogens
www.certusdiagnostics.com
- 2. prize:** Prof. Raphael Sznitman and team, ARTORG Center at University of Bern:
Mobile perimetry – artificial intelligence for the eye
- 3. prize:** Dr. Jonas Pollard and team, Adolphe Merkle Institute at University of Fribourg / Hemolytics:
Mass diagnosis for the eradication of malaria
www.hemolytics.ch

2016

- 1. prize**:** Prof. Dr. Gregor Burkhard, University of Applied Sciences and Arts Northwestern Switzerland FHNW and Dominik Nägeli, formerly FHNW, now RUAG Space:
GreDom-Insert, a novel kind of insert for space technology, revolutionising satellite construction
<https://www.ruag.com/en/news/fhnw-wins-innovation-prize-space-industry-research-supported-ruag-space>
- 2. prize:** Prof. Dr. Mauricio Reyes, Institute for Surgical Technologies and Biomechanics at University of Bern:
Automated methods for medical image processing in brain tumor studies
- 3. prize*:** Prof. Dr. Alke Fink, Adolphe Merkle Institute at University of Fribourg:
NanoLockin: a new technology for the characterisation of nanoparticles for cancer therapy
www.venturekick.ch/index.cfm?page=129733&profil_id=10958

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2014

- 1. prize**:** Team Simon Zumbrunnen, Philipp Haslebacher and Stefan Berger, Bern University of Applied Sciences BFH and ReseaChem GmbH:
Micro-dosing unit for bioreactors
- 2. prize*:** Prof. Dr. Olivier Guenat, ARTORG Center at University of Bern:
A breathing “lung on chip” for the safe and efficient development of new drugs
www.alveolix.com
- 3. prize**:** Prof. Dr. Patrice Nordmann, Institute for microbiology at University of Fribourg:
Rapid diagnostic test against multi-resistant bacteria
www.biomerieux.com.tr/sites/subsidiary_tr/files/9308689-002-gb-a-rapidec-carba-np.pdf

2012

- 1. prize**:** Dr. Brett Bell, University of Bern:
Minimally invasive robot-based cochlear implantation
www.cascination.com
- 2. prize:** Prof. Dr. Barbara Rothen-Rutishauser, University of Fribourg:
New bio-printing platform for a 3D lung tissue of the air-blood barrier
- 3. prize:** Prof. Dr. Martin Frenz, University of Bern:
Nanostructured biodegradable polymer for endoscopic laser tissue soldering

2010

- 1. prize:** Prof. Dr. Hendrik Tevaearai, University of Bern:
Cardioplexol – a novel cardioplegia solution
www.swisscardiotech.com
- 2. prize:** Fabian Fässler, Bern University of Applied Sciences BFH:
Coupled simulations for optimising modern manufacturing systems
- 3. prize**:** Dr. Lennart Stieglitz, University of Bern:
Combined irrigation and suction instrument for microneurosurgery
www.spiegelberg.de/en

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2009

- 1. prize*:** Matthias Peterhans, University of Bern:
Development and clinical application of a navigation platform for computer-assisted liver surgery
www.cascination.com
- 2. prize:** Dr. Guoyan Zheng, University of Bern:
Novel cost-effective system for high-precision placement of acetabular cup in total hip arthroplasty
- 3. prize:** Dario Cazzoli, University of Bern:
Permanent and everyday relevant improvement of neurological disorders through transcranial magnetic stimulation

2008

- 1. prize*:** Fabian Käser, Bern University of Applied Sciences BFH:
Chemiluminescence - Innovative ways to predict oxidation reactions
www.aclinstruments.com > belongs now to www.reseachem.ch
- 2. prize**:** Prof. Dr. Walter Perrig, University of Bern:
BrainTwister – brain-strengthening computer programme
https://www.synapsoflg.unibe.ch/training_und_tests/braintwister2/index_eng.html
- 3. prize:** Prof. Dr. Hans-Ulrich Güdel, University of Bern:
Novel scintillator materials - Detector materials for X-ray and gamma radiation

2007

- 1. prize:** Jonas Schmied, Bern University of Applied Sciences BFH:
Generation and visualisation of robot paths
- 2. prize:** Mario Valentin Löffel, University of Bern:
Development and clinical testing of a computer-assisted injection device for cement injections in the spinal column
- 3. prize*:** Linus Rohner, Bern University of Applied Sciences BFH:
Joysteer®, the new driving experience
www.joysteer.ch

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2006

- 1. prize*:** PD Dr. Eliane Müller, University of Bern:
Cell cultures replace animal experiments
www.cellntec.com
- 2. prize:** Erich Liniger, Bern University of Applied Sciences BFH:
Test stand for conductivity measuring cells
- 3. prize:** Prof. Dr. Otto Eugster, University of Bern:
Age determination of ancient gold objects with the uranium-helium dating method

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