<table>
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<tr>
<th>CME Faculty Patents</th>
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<tr>
<td><strong>List of Patents</strong></td>
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<tr>
<td><strong>Robert Barat</strong></td>
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<td><strong>Sagnik Basuray</strong></td>
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<td>2. Hsueh-Chia Chang, Peter Mushenheim, Sagnik Basuray, Gilad Yossifon, Satyajyoti Senapati; Microchamber electrochemical cell having a nanoslot, patent Mo: 8969007</td>
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<td>3. Hsueh-Chia Chang, Jason Gordon, Satyajyoti Senpati, Zachary Gagnon, Sagnik Basuray, Microfluidic platforms for multi-target detection, Patent Number 8771938</td>
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<tr>
<td><strong>Ecevit Bilgili</strong></td>
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8. Taste masked active pharmaceutical powder compositions and processes for making them, US 9,993,041 B2 and foreign counter-parts, issued March 31, 2015. (Inventors: Daniel To, Rajesh N. Davé)


10. Systems and Methods for Superdisintegrant-Based Composite


34. “System and Method for Continuous Polymer Coating of Particles”, Sirkar, K.
37. “Porous Hollow Fiber Anti-Solvent Crystallization-based Continuous Method of Polymer Coating on Submicron and
| Roman Voronov | 1. A provisional patent was submitted to the US government on December 2017. Attorney Docket No.: 094350-00197 Title: “Systems for Addressable Microfluidic Valves and Related Methods of Manufacturing”. Roman Voronov, Quang Long Pham and Anh Tong |
| Xiaoyang Xu | 1. Xiaoyang Xu, Yung-Hao Tsou. Photoluminescent hydrogel; U.S application No 15/702923; filed in September 2016  
2. "Nanoparticle Depots for Controlled and Sustained Gene Delivery" has been filed as a provisional patent application.  
3. "Photoluminescent Hydrogel" has been allowed. |
1. Integrated Coupling of Scintillation Crystal with Photomultiplier in a Detector Apparatus. Publication number: 20180210095Type: Application US14/355,762Filed: January 5, 2018.Publication date: July 26, 2018 Inventors: Ken Stephenson, Peter Wraight, Wolfgang Ziegler, John J. Simonetti, Christian Stoller, Irina Molodetsky

2. Boron Nitride Nanotubes (BNNT) in Polymers for Extreme Environment Publication number: 20180180760.Type: Application Filed: December 28, 2016 Publication date: June 28, 2018 Inventors: Irina Shestakova, Olivier Philip, Irina Molodetsky


4. Charged Particle Emitter Assembly for Radiation Generator. Publication number: 20170276826 Type: Application Filed: March 24, 2017 Publication date: September 28, 2017 Inventors: Jani Petteri Reijonen, Irina Molodetsky, Joel Mark Wiedemann

5. Method For Forming Lanthanide Scintillators. Publication number: 20160138383 Type: Application, Filed: June 24, 2014. Publication date: May 19, 2016, Inventor: Irina MOLODETSKY

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