



2008 INVENTION DISCLOSURE AWARDS – LIST OF NCSR BASED RECIPIENTS

- 1. Novel modified ELSA plate format and technology**
Harry Holthofer, Feidhlim O'Neill, Stephen O'Sullivan, Sandeep Vashist
Biotechnology, NICB
- 2. Single Platelet adhesion assay**
Lourdes Basabe-Desmonts, Asif Riaz, Antonio Ricco,
Luke Lee, BDI
Dermot Kenny, Gerardene Meade, Sarah O'Neill, Sofia Ramstrom
Royal College of Surgeons
- 3. NAGase Immunoassay**
Richard O'Kennedy, Niamh Gilmartin, Katherine Wellbeck, Sushrut Arora
Biotechnology, BDI
Caroline Viguier, Enfer Technologies
- 4. A lateral flow micropillar device and assay for blood coagulation monitoring**
Magdalena Dudek, Tony Killard, Brian MacCraith
Chemical Sciences, BDI
Ove Ohman, Amic AB
- 5. Development of Immuno-affinity Columns for the Isolation and Analysis of Mycotoxins Using Genetically Engineered Antibodies**
Richard O'Kennedy, Om Prakash Eduppganti, Johanna Bruneau
Biotechnology, CBAS
- 6. Monolithic centrifugal microfluidic platform for bacteria capture and concentration, lysis, nucleic-acid amplification, and real-time detection.**
Ivan Dimov, Jose Garcia Cordero, Antonio Ricco
Physical Sciences, BDI
- 7. Microfluidic blood filtering and immunoassay device**
Lourdes Basabe-Desmonts, Ivan Dimov, Jose Garcia-Cordero
Physical Sciences, BDI
- 8. Development of a novel antibody fragment for the detection of sialic acid and its applicability to the biopharmaceutical industry**
Gerard Donohoe, Barry Byrne, Stephen Hearty, Richard O'Kennedy
Biotechnology
- 9. The development of a novel "in-process" Biacore-based assay for the sensitive detection of PROC-S01,S02 and S11**
Barry Byrne, Gerard Donohoe, Richard O'Kennedy
Biotechnology

10. Novel immunoassay for the detection of monomeric c-reactive protein (MCRP)
Paul Leonard, Barry McDonnell, Niamh Gilmartin, Richard O'Kennedy, Edwina Stack,
Stephen Hearty
Biotechnology, BDI

11. Microfluidic device for the isolation and detection of rare cells.
Lourdes Basabe-Desmonts, Jose Garcia-Cordero, Antonio Ricco
Biotechnology, BDI

12. Optimisation of high brightness silica nanoparticles for application in biomedical diagnostics
Tony Killard, Aoife Morrin, FuQiang Nie, Malcolm Smyth, Blanaid White
Chemical Science, NCSR

13. A method of fabrication of monolithic stationary phases for separations, and methods of separation using such stationary phases
Tony Killard, Aoife Morrin, FuQiang Nie, Malcolm Smyth, Blanaid White
Chemical Sciences, NCSR

14. Photoreponsive Ionogels as Sensors and Actuators
Fernando Bentio Lopez, Robert Byrne, Dermot Diamond
Chemical Sciences, NCSR

15. A stationary phase comprising an electroconducting material and a method of separation comprising the selective manipulation of properties of the stationary phase
Tony Killard, Aoife Morrin, FuQiang Nie, Malcolm Smyth, Blanaid White
Chemical Science, NCSR

16. FRET Based Biomolecules Binding Assay Based on Optical or Electrochemiluminescence Excitation
Robert Forster, Tia Keyes, Anne Maria Spehar-Deleze
Chemical Science, BDI

17. A method for biomolecule immobilisation and minimisation of non-specific binding on surfaces for biomedical diagnostics
Stephen Daniels, Ram Prasad Gandhiraman, Vladimir Gubala, Lourdes Basabe-Desmonts,
Cedric Volcke
Biotechnology, BDI

18. Thin Film deposition of silicon dioxide on PDMS based microfluidic circuits
Asif Riaz, Stephen Daniels, Ivan Dimov, Jens Ducree, Luke Lee, Antonio Ricco
Physical Science, BDI

19. Highly integrated microfluidic multiplexed cellular and molecular analysis device and method
Ivan Dimov, Jens Ducree, Luke Lee
Physical Sciences, BDI

20. pH sensor device based on ionogel polymers
Fernando Bentio Lopez, Robert Byrne, Dermot Diamond
Chemical Sciences, NCSR

21. Metal Catalysed Reactions

Kieran Nolan, Pauline Griffin, Stephen Carey, Stephen Neary
Chemical Sciences, NCSR

22. Refractive structure for collecting Supercritical Angle Fluorescence from biochip

Brian MacCraith, Thomas Ruckstuhl

Physical Sciences, BDI

Jimmy Bakker, Ove Ohman, Amic AB

23. Low-cost microfluidic single-use valves and on-board reagent storage using laser-printer technology

Jose Garcia-Cordero, Fernando Bentio Lopez, Jens Ducree, Luke Lee, Antonio Ricco

Physical Sciences, BDI

24. Mobile phone-based sensor platform

Conor Burke, Brian MacCraith, Stephen O'Driscoll

Physical Sciences, NCSR