

P001 Force spectroscopy of the barnase – barstar interaction at the single-molecule level
Sekatskii, Sergey, Favre, Melanie, Dietler, Giovanni, Mikhailov, Andrey, Klinov, Dmitry, Lukash, Sergey, Deyev, Sergey (Lausanne, Switzerland)

P002 What cell receptors of Flavivirus: immunochemical and Single Molecule Force Spectroscopy results of the comparative studies of two different receptors. Sekatskii, Sergey, Favre, M., Dietler, G., Bogachek, M., Protopopova, E., Kachko, A., Ternovoi, V., Ivanova, A., Ivanisenko, V., Zaitsev, B., Loktev, V. (Lausanne, Switzerland)

P003 Lectin isolated from *Gymnopillus spectabilis* fruiting bodies: some properties and applications. Franco Fraguas, Laura, Mora, Paola, Alborés, Silvana, Bustamante, M. José, Cerdeiras, M. Pía (Montevideo, Uruguay)

P004 Pathogenicity, proteome production and catalytic triad amino acid prediction in cuticle degrading proteases of *paecilomyces fumosoroseus* isolates in response to *papilio demoleus* (papilionidae: lepidoptera). Putha mohan, Vinayaga moorthi p, Chellaiah, Balasubramanian, Thangam, Kubendran (Madurai, India)

P005 Molecular recognition of the mRNA 5' cap structure by poly(A)-specific 3' ribonuclease (PARN) .Niedzwiecka, Anna, Worch, Remigiusz, Nilsson, Per, Henriksson, Niklas, Stepinski, Janusz, Jankowska-Anyszka, Marzena, Virtanen, Anders, Darzynkiewicz, Edward (Warsaw, Poland)

P006 Biophysical model of RNA 5' cap recognition by the human nuclear Cap–Binding Complex .Stolarski, Ryszard, Worch, Remigiusz, Jankowska-Anyszka, Marzena, Niedzwiecka, Anna, Stepinski, Janusz, Darzynkiewicz, Edward, Cusack, Stephen (Warsaw, Poland)

P007 Dynamics and Interaction of an anti-VEGF Aptamer with VEGF: A Single Molecule Study. Taylor, J. Nick, Darugar, Qusai, Kourentzi, Katerina, Willson, Richard C. (P), Landes, Christy (Houston Texas, USA)

P008 Nucleic acid receptor-ligand interactions studied by EPR spectroscopy
Shelke, Sandip, Sigurdsson, Snorri (Reykjavik, Iceland)

P009 Chromatin remodeling in the yeast *Schizosaccharomyces pombe*. Briem, Katrín, Wohlschlegel, James, Jónsson, Zophonías (Reykjavík, Iceland)

P010 The Spectrophysics of Warfarin: Implications for Protein Binding . Nicholls, Ian A., Karlsson , Björn C.G., Rosengren, Annika M. (Kalmar, Sweden)

P011 Correlation between the pathogenesis of diabetes, obesity, hypertension: a systems biology approach.Rashid, S. M. Mahbubur, Jesmin (Dhaka, Bangladesh)

P012 Bio-inspired affinity polymer-systems for antibody recognition. SILVA, CLAUDIA S.O., LANSALOT, MURIEL, AFONSO, CARLOS A.M., MARTINHO, JOSÉ M.G., TAIPA, M. ÂNGELA (Lisbon, Portugal)

P013 Dual Affinity Method for Plasmid DNA Purification in Aqueous Two-Phase Systems
Marcos, João Carlos, Barbosa, Helder, Hine, Anna, Brocchini, Steve, Slater, Nigel (Braga, Portugal)

P014 Green options for IgG Purification. Afonso Roque, Ana Cecília, Barroso, Telma, Hussain, Abid , Aguiar-Ricardo, Ana (Caparica, Portugal)

P015 Plasmid DNA partition and purification in polyethylene glycol /hydroxypropyl starch aqueous two-phase systems. Tomaz, Candida, Oliveira, Andreia, Marcos, João Carlos (Covilha, Portugal)

P016 Purification of Antibodies by Phenyl Boronate Affinity Chromatography
Azevedo, Ana M., Rosa, Paula AJ, Borlido, Luis, Aires-Barros, M. Raquel (Lisbon, Portugal)

P017 Selection of affinity ligands from combinatorial libraries using HTS methods .Pina, Ana, Lowe, Christopher R., Roque, Ana Cecilia (Caparica, Portugal)

P018 Study of DNA conformation using the quartz crystal microbalance. Tomé, Brigitte, Ferreira, Guilherme N.M. (Faro, Portugal)

P019 Modification of a new magnetic support for the development of immunoassays
Afonso Roque, Ana Cecília, Batalha, Iris, Hussain, Abid (P) (Caparica, Portugal)

P020 Giant Magnetoresistance Sensors in Biosensor Technology. Wang, Yi-Ju, Willson, Richard, Litvinov, Dmitri (Houston, United States of America)

P021 Affinity Chelating Liposomes on the Binding of Metal Ions and Proteins and Effect of PEG on Aggregation and Binding Interactions .Guzman, Roberto, Yan, Shuyuan, Wang, Lian (Tucson, AZ, USA)

P022 Nanostructured Self-Assembled Reversible and Directional Bio-Molecular Templates for Nanotechnology Interconnects. Guzman, Roberto, Wang, Lian, Deymier, Pierre (Tucson, AZ, USA)

P023 Enhanced Gel Permeation Chromatography of Proteins Using a Multiligand-Water Soluble Affinity Carrier . Guzman, Roberto, Garcia, Javier, Porath, Jerker (Tucson, AZ, USA)

P024 Structure and Dynamics of Monomer-Template Complexation: An Explanation for Molecularly Imprinted Polymer Recognition Site Heterogeneity
Nicholls, Ian A., Karlsson , Björn C.G., O'Mahony, John, Karlsson , Jesper G. (Kalmar, Sweden)

P025 High-throughput top-down fabrication of magnetic particles for medical diagnostics, bio-sensors, and bioseparation applications. Litvinov, Julia, Nasrulah, Azeem , Sherlock, Timothy, Wang, Yi-Ju , Ruchhoeft, Paul, Willson, Richard C. (Houston TX, United States of America)

P026 HIV-1 virion infectivity factor detection with an integrated amorphous silicon photodetector. Vistas, Cláudia, Ferreira, Gilherme N. M. (Faro, Portugal)

P027 Biophysical characterization of an antigen/mAb complex with femtomolar affinity Klakamp, Scott, Drake, Andrew W., Klakamp, Scott L. (P) (South San Francisco, USA)

P028 Immobilization of Cysteine-Knot Microproteins on Affinity Resins Müller, Egbert, Breuninger, Ulrich (Stuttgart, Germany)

P029 'sexual dysfunction' in the brain: an uncharacterized gene's apparent role in male erectile dysfunction.Rashid, S. M. Mahbubur, Ayub, Mustak Ibn, Alam, Md. Maksudul, Moosa, Mahdi Muhammad (Dhaka, Bangladesh)

P030 Characterizing biomolecular interaction kinetics with minimum assay development requirements .Ewa, Pol, Löfås, Stefan (Uppsala, Sverige)

P031 Assessment of protein concentration using a calibration-free method. Ewa, Pol, Löfås, Stefan, Larsson, Anita, Karlsson, Robert, Sporrang, Åsa, Sylvan, Anna (Uppsala, Sverige)

P032 Automated Real-Time Antibody Characterization in Non-Purified Samples using Label-Free Resonant Acoustic Profiling.Schnerr, Helge, Lewis, Gillian, Bowen, Wayne (Melbourn, United Kingdom)

P033 Adsorption of T4 bacteriophages to Escherichia coli cells .Merchuk, Jose, EINAV, MONICA (P), ZONENSTEIN, YUVAL, ENDEN, GIORA , ZARITZKY, ARIEH (Beer-sheva, Israel)

P034 Easy and in principle universal method for screening protein ligand interactions and measuring protein/ligand dissociation constants. Bzowska, Agnieszka (Warszawa, Poland)

P035 Lin-enriched Bone marrow derived stem cells show superior mobilization and enhanced survival upon laser injury of mouse retina when delivered via intravenous route and not intravitreal route. Anand, Akshay, Singh, Tajinder, Prabhakar, Sudesh (Chandigarh, India)

P036 Identification of criteria for selection of optimal hydrophobic tails for protein purification by HIC. Lienqueo, M.Elena, Asenjo, Juan A. (P) (Santiago, Chile)

P037A new affinity approach to isolate RNA species with histidine-chromatography Martins, Rita, Queiroz, João, Sousa, Fani (Covilhã, Portugal)

P038 Sensing the allosteric behaviour of ligand binding by oligomeric protein – a study on fluorescence titration curves. Wielgus-Kutrowska, Beata (Warsaw, Poland)

P039 Analyte Gradient Injection: An Alternative to Fixed Concentration Injections.
QUINN, John, PERRIERE, Michel (P) (Oklahoma City, United States of America)

P040 Single nucleotide mismatch detection using fluoroside C^f . Gardarsson, Haraldur, Sigurdsson, Snorri Th. (P) (Reykjavik, Iceland)

P041 Affinity extraction of human therapeutic antibodies in aqueous two-phase systems
Azevedo, Ana M., Rosa, Paula AJ, Sommerfeld, Sven, Baecker, Werner, Aires-Barros, M. Raquel (Lisbon, Portugal)

P042 RNA clearance from plasmid-containing lysates by phenyl boronate adsorption
Gomes, Ana G., Azevedo, Ana M. (P), Aires-Barros, M. Raquel, Prazeres, D. Miguel F. (Lisbon, Portugal)

P043 New Polymeric IMAC-adsorbents and their use in the separation of arsenic ions (As(V)), from aqueous solutions
Guzman, Roberto, Verdugo, Brenda, Gonzalez, Omar, Porath, Jerker (Tucson, AZ, USA)