



# 10<sup>th</sup> Annual Network Biology Symposium & Cytoscape Workshop Flash Talks

October 9<sup>th</sup>, 2013

**1 - A coregulated target-based miRNA network identifies miR-612, miR-661 and miR-940 as key regulators of small GTPases signaling.**

Ricky Bhajun, Laurent Guyon, Amandine Pitaval, Christian Lajaunie & Xavier Gidrol

*Université Grenoble-Alpes*

*CEA, iRTSV, Biologie à Grande Echelle*

*INSERM Grenoble, France.*

*Center for Computational Biology - CBIO, Mines ParisTech,*

*Institut Curie, Paris, France*

*INSERM, Paris, France*

**2 - CNV - Interactome - Transcriptome Integration to Detect Driver Genes in Cancerology.**

Maxime Garcia, Raphaelle Millat-Carus, Francois Bertucci, Pascal Finetti, Arnaud Guille, Jose Adelaide,

Ismahane Bekhouche, Renaud Sabatier, Max Chaffanet, Daniel Birnbaum, Ghislain Bidaut

*Aix-Marseille Univ, Marseille, France*

*Inserm U1068, Centre de Recherche en Cancerologie de Marseille, Marseille, France*

*Institut Paoli-Calmettes, Marseille, France*

*CNRS UMR7258, Centre de Recherche en Cancerologie de Marseille, Marseille, France*

**3 - The holdup assay: a high-throughput approach for determining affinities and specificities of domain-motif mediated protein interactomes.**

Sebastian Charbonnier, Katja Luck, Jolanta Polanowska, Julie Abdat, Marilynne Blémond, Jeremy Turchetto, François Iv, Kevin Ricquier, Marie-Laure Straub, Jean- Paul Borg, Yves Nominé, Nicolas Wolff, Jérôme Reboul, Gilles Travé, Renaud Vincentelli

*Equipe Oncoproteines, IREBS, UMR CNRS 7242*

*Ecole Supérieure de Biotechnologie, ILLKIRCH, France*

**4 - Clust&See: A Cytoscape plugin for the identification, visualization and manipulation of network clusters.**

L. Spinelli, P. Gambette, C. Chapple, B. Robisson, A. Baudot, H. Garreta, L. Tichit, A. Guénoche, C. Brun

*TAGC, Inserm Aix-Marseille University*

*LIF, CNRS Aix-Marseille University*

*IML, CNRS Aix-Marseille University*

**5 - NaviCell: A tool for navigation, curation, maintenance of complex molecular interaction maps.**

David Cohen, Inna Kuperstein, Stuart Pook, Laurence Calzone, Eric Bonnet, Emmanuel Barillot and Andrei Zinovyev

*Institut Curie, Paris France*

*INSERM, U900, Paris, France,*

*Mines ParisTech, Fontainebleau, France*

*Sysra, Paris France*

**6 - Networks analytics: Where are the interesting authors for DPP4 inhibitors with high scientific impact? (Network mining and text analytics with data from PubMed and Web Of Science).**

Frank Dullweber, Thomas Klein

*Boehringer Ingelheim, Biberach*

**7 - ENViz: A Cytoscape App for Integrated Statistical Analysis and Visualization of Sample-Matched Data with Multiple Data Types.**

Anya Tsalenko, Roy Navon, srael Steinfeld, Michael L. Creech, Zohar Yakhini, Allan Kuchinsky

*Agilent Laboratories*

*Technion - Israel Institute of Technology*

*Blue Oak Software*



**8 - Combining protein structures and networks in a novel visual analytics approach.**

Nadezhda T. Doncheva, John H. Morris, Eric F. Pettersen, Conrad C. Huang, Karsten Klein, Francisco S. Domingues, Thomas E. Ferrin, Mario Albrecht

*Max Planck Institute for Informatics, Saarbrücken, Germany*

**9 - Alternative ways to interact with Cytoscape 3.1.**

Scooter Morris

*UCSF, USA*

## October 10<sup>th</sup>, 2013

**1 - Biological Network Manager Cytoscape plugin (BiNoM 2.5).**

Bonnet Eric, Calzone Laurence, Rovera Daniel, Stoll Gautier, Barillot Emmanuel, Viara Eric, Zinovyev Andrei

*U900 Computational Systems Biology of Cancer unit, Institut Curie, Paris*

**2 - Centiscape 3.0! New features for network analysis: Directed centralities, multiple networks analysis, and integration with experimental data set.**

Giovanni Scardoni, Gabriele Tosadori, Diego Magagna, Mohammed Faizaan, Carlo Laudanna, Franco Fabbri

*CBMC, University of Verona, Italy*

*M.Sc. (Tech.) Information Systems, BITS Pilani, India*

**3 - Importing KEGG signaling pathways with KEGGscape.**

Kozo Nishida, Keiichiro Ono

*Riken,*

*UC San Diego*

**4 - CyFluxViz: a Cytoscape Plugin for Visualization of Constrained-based and Kinetic Model Simulations.**

Matthias König, Hermann-Georg Holzhütter

*Department of Biochemistry, University Medicine Charité Berlin, Germany*

**5 - Enhanced node graphics in Cytoscape 3.1.**

Scooter Morris, Samad Lotia

*UCSF, USA*

*Gladstone Institutes, USA*

**6 - A Cytoscape plugin/app for KEGG pathway map parsing, automatic corrections, and reduction of abstractions.**

Lilit Nersisyan

*Institut of Molecular Biology NASRA, Armenia*