

NBCC Publication List

Separated by year, alphabetical by first author

2017

Antonicka, H., K. Choquet, Z.Y. Lin, A.C. Gingras, C.L. Kleinman, and E.A. Shoubridge, *A pseudouridine synthase module is essential for mitochondrial protein synthesis and cell viability*. EMBO Rep, 2017. **18**(1): p. 28-38.

Barrios-Rodiles, M., J.D. Ellis, B.J. Blencowe, and J.L. Wrana, *LUMIER: A Discovery Tool for Mammalian Protein Interaction Networks*. Methods Mol Biol, 2017. **1550**: p. 137-148.

Chapat, C., S.M. Jafarnejad, E. Matta-Camacho, G.G. Hesketh, I.A. Gelbart, J. Attig, C.G. Gkogkas, T. Alain, N. Stern-Ginossar, M.R. Fabian, A.C. Gingras, T.F. Duchaine, and N. Sonenberg, *Cap-binding protein 4EHP effects translation silencing by microRNAs*. Proc Natl Acad Sci U S A, 2017. **114**(21): p. 5425-5430.

Collins, B.C., C.L. Hunter, Y. Liu, B. Schilling, G. Rosenberger, S.L. Bader, D.W. Chan, B.W. Gibson, A.C. Gingras, J.M. Held, M. Hirayama-Kurogi, G. Hou, C. Krisp, B. Larsen, L. Lin, S. Liu, M.P. Molloy, R.L. Moritz, S. Ohtsuki, R. Schlapbach, N. Selevsek, S.N. Thomas, S.C. Tzeng, H. Zhang, and R. Aebersold, *Multi-laboratory assessment of reproducibility, qualitative and quantitative performance of SWATH-mass spectrometry*. Nat Commun, 2017. **8**(1): p. 291.

Couzens, A.L., S. Xiong, J.D. Knight, D.Y. Mao, S. Guettler, S. Picaud, I. Kurinov, P. Filippakopoulos, F. Sicheri, and A.C. Gingras, *MOB1 mediated phospho-recognition in the core mammalian Hippo pathway*. Mol Cell Proteomics, 2017.

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Gu, B., J.P. Lambert, K. Cockburn, A.C. Gingras, and J. Rossant, *AIRE is a critical spindle-associated protein in embryonic stem cells*. Elife, 2017. **6**.

Gueroussov, S., R.J. Weatheritt, D. O'Hanlon, Z.Y. Lin, A. Narula, A.C. Gingras, and B.J. Blencowe, *Regulatory Expansion in Mammals of Multivalent hnRNP Assemblies that Globally Control Alternative Splicing*. Cell, 2017. **170**(2): p. 324-339 e23.

Han, H., U. Braunschweig, T. Gonatopoulos-Pournatzis, R.J. Weatheritt, C.L. Hirsch, K.C. Ha, E. Radovani, S. Nabeel-Shah, T. Sterne-Weiler, J. Wang, D. O'Hanlon, Q. Pan, D. Ray, H. Zheng, F. Vizeacoumar, A. Datti, L. Magomedova, C.L. Cummins, T.R. Hughes, J.F. Greenblatt, J.L. Wrana, J. Moffat, and B.J. Blencowe, *Multilayered Control of Alternative Splicing Regulatory Networks by Transcription Factors*. *Mol Cell*, 2017. **65**(3): p. 539-553 e7.

Hesketh, G.G., J.Y. Youn, P. Samavarchi-Tehrani, B. Raught, and A.C. Gingras, *Parallel Exploration of Interaction Space by BioID and Affinity Purification Coupled to Mass Spectrometry*. *Methods Mol Biol*, 2017. **1550**: p. 115-136.

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Knight, J.D.R., H. Choi, G.D. Gupta, L. Pelletier, B. Raught, A.I. Nesvizhskii, and A.C. Gingras, *ProHits-viz: a suite of web tools for visualizing interaction proteomics data*. *Nat Methods*, 2017. **14**(7): p. 645-646.

Mahadevan, V., C.S. Khademullah, Z. Dargaei, J. Chevrier, P. Uvarov, J. Kwan, R.D. Bagshaw, T. Pawson, A. Emili, Y. De Koninck, V. Anggono, M. Airaksinen, and M.A. Woodin, *Native KCC2 interactome reveals PACSIN1 as a critical regulator of synaptic inhibition*. *Elife*, 2017. **6**.

Mojarad, B.A., G.D. Gupta, M. Hasegan, O. Goudiam, R. Basto, A.C. Gingras, and L. Pelletier, *CEP19 cooperates with FOP and CEP350 to drive early steps in the ciliogenesis programme*. *Open Biol*, 2017. **7**(6).

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Xie, J.L., I. Bohovych, E.O.Y. Wong, J.P. Lambert, A.C. Gingras, O. Khalimonchuk, L.E. Cowen, and M.D. Leach, *Ydj1 governs fungal morphogenesis and stress response, and facilitates mitochondrial protein import via Mas1 and Mas2*. *Microb Cell*, 2017. **4**(10): p. 342-361.

Xiong, S., A.L. Couzens, M.J. Kean, D.Y. Mao, S. Guettler, I. Kurinov, A.C. Gingras, and F. Sicheri, *Regulation of protein interactions by MOB1 phosphorylation*. Mol Cell Proteomics, 2017.

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Costanzo, M., B. VanderSluis, E.N. Koch, A. Baryshnikova, C. Pons, G. Tan, W. Wang, M. Usaj, J. Hanchard, S.D. Lee, V. Pelechano, E.B. Styles, M. Billmann, J. van Leeuwen, N. van Dyk, Z.Y. Lin, E. Kuzmin, J. Nelson, J.S. Piotrowski, T. Srikumar, S. Bahr, Y. Chen, R. Deshpande, C.F. Kurat, S.C. Li, Z. Li, M.M. Usaj, H. Okada, N. Pascoe, B.J. San Luis, S. Sharifpoor, E. Shuteriqi, S.W. Simpkins, J. Snider, H.G. Suresh, Y. Tan, H. Zhu, N. Malod-Dognin, V. Janjic, N. Przulj, O.G. Troyanskaya, I. Stagljar, T. Xia, Y. Ohya, A.C. Gingras, B. Raught, M. Boutros, L.M. Steinmetz, C.L. Moore, A.P. Rosebrock, A.A. Caudy, C.L. Myers, B. Andrews, and C. Boone, *A global genetic interaction network maps a wiring diagram of cellular function*. Science, 2016. **353**(6306).

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Feng, Y., A. Vlassis, C. Roques, M.E. Lalonde, C. Gonzalez-Aguilera, J.P. Lambert, S.B. Lee, X. Zhao, C. Alabert, J.V. Johansen, E. Paquet, X.J. Yang, A.C. Gingras, J. Cote, and A. Groth, *BRPF3-HBO1 regulates replication origin activation and histone H3K14 acetylation*. EMBO J, 2016. **35**(2): p. 176-92.

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