

## Publications

(last updated January 2014)

The following is a list of articles in print resulting from Cell Migration Consortium (CMC – U54 GM064346) funded activity. Articles are sorted by year (most current first), then alphabetically by first author. Both the PubMed Identifier (PMID) and PubMed Central Identifier (PMCID - when available) are provided with their respective links for each article. Links are also provided to any highlight or featured article available on the publication, which were produced by the CMC for the monthly [Cell Migration Gateway](#) updates and e-alerts.

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### 2013

- Bachir AI, Kubow KE, Horwitz AR. Fluorescence fluctuation approaches to the study of adhesion and signaling. *Methods Enzymol* 2013; 519:167-201 PMID: [23280111](#), **PMCID: [PMC3693452](#)**.
- Beatty BT, Sharma VP, Bravo-Cordero JJ, Simpson MA, Eddy RJ, Koleske AJ, Condeelis J. beta1 integrin regulates Arg to promote invadopodial maturation and matrix degradation. *Mol Biol Cell* 2013; 24(11):1661-75. PMID: [23552693](#), **PMCID: [PMC3667720](#)**. Publication highlighted in the [May 2013 update/e-alert](#)
- Bravo-Cordero JJ, Sharma VP, Roh-Johnson M, Chen X, Eddy R, Condeelis J, Hodgson L. Spatial regulation of RhoC activity defines protrusion formation in migrating cells. *J Cell Sci* 2013; 126 ((Pt 15)):3356-69. PMID: [23704350](#), **PMCID: [PMC3730245](#)**. Publication highlighted in the [August 2013 update/e-alert](#)
- Bravo-Cordero JJ, Magalhaes MA, Eddy RJ, Hodgson L, Condeelis J. Functions of cofilin in cell locomotion and invasion. *Nat Rev Mol Cell Biol* 2013; 14 (7):405-15. PMID: [23778968](#), **PMCID: [PMC3878614](#)**
- Calderwood DA, Campbell ID, Critchley DR. Talins and kindlins: partners in integrin-mediated adhesion. *Nat Rev Mol Cell Biol* 2013; 14 (8):503-17. PMID: [23860236](#)
- Chen Z, Lessey E, Berginski ME, Cao L, Li J, Trepatt X, Itano M, Gomez SM, Kapustina M, Huang C, Burridge K, Truskey G, Jacobson K. Gleevec, an abl family inhibitor, produces a profound change in cell shape and migration. *PLoS One* 2013; 8 (1):e52233. PMID: [23300967](#), **PMCID: [PMC3534684](#)**. Publication highlighted in the [February 2013 update/e-alert](#).
- Chiu CL, Digman MA, Gratton E. Measuring Actin Flow in 3D Cell Protrusions. *Biophys J* 2013; 105 (8):1746-55. PMID: [24138850](#), **PMCID: [PMC3797595](#)**: Publication highlighted in the [December 2013 update/e-alert](#).
- Cleyrat C, Darehshouri A, Anderson KL, Page C, Lidke DS, Volkmann N, Hanein D, Wilson BS. The architectural relationship of components controlling mast cell endocytosis. *J Cell Sci* 2013; 126 (Pt 21):4913-25. PMID: [23986485](#), **PMCID: [PMC3820241](#)** Publication highlighted in the [January 2014 update/e-alert](#)
- Conway DE, Breckenridge MT, Hinde E, Gratton E, Chen CS, Schwartz MA. Fluid Shear Stress on Endothelial Cells Modulates Mechanical Tension across VE-Cadherin and PECAM-1. *Curr Biol* 2013; 23(11):1024-30. PMID: [23684974](#), **PMCID: [PMC3676707](#)**. Publication highlighted in the [July 2013 update/e-alert](#)
- Dagliyan O, Shirvanyants D, Karginov AV, Ding F, Fee L, Chandrasekaran SN, Freisinger CM, Smolen GA, Huttenlocher A, Hahn KM, Dokholyan NV. Rational design of a ligand-controlled protein conformational switch. *Proc Natl Acad Sci U S A* 2013; 110 (17):6800-4. PMID: [23569285](#), **PMCID: [PMC3637791](#)**. Publication highlighted in the [June 2013 update/e-alert](#)
- Digman MA, Stakic M, Gratton E. Raster Image Correlation Spectroscopy and Number and Brightness Analysis. *Methods Enzymol* 2013; 518C:121-44. PMID: [23276538](#).

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