Research Interests

My main research areas are in Cell Signalling, Cancer Cell Biology and Genetics, Metastasis and Invasion.

My research group focuses on:

- Uncovering the molecular mechanisms regulating tissue growth, invasion and metastasis using the fruit fly *Drosophila melanogaster* as a genetically tractable model organism.
- Studying the role of post-translational modifications, such as ubiquitylation, in the regulation of tissue growth during normal development and during pathological conditions.
- The role of ubiquitylation in the regulation of cell migration, tissue invasion and metastasis using the border cell system in the developing *Drosophila* oocyte and breast cancer cells as models for collective cell migration.

Major Funders

- Early Career Researcher Fellowship, Barts Cancer Institute
- Breast Cancer Campaign
- Cancer Research UK

Contact Details

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Recent Publications

- **Ribeiro PS**, Holder MV, Frith D, Snijders AP, Tapon N. Crumbs promotes Expanded recognition and degradation by the $SCF^{Slimb/\beta\text{-}TrCP}$ ubiquitin ligase. Proc Natl Acad Sci U S A 2014 May; 111(19):E1980-9. PMID: 24778256

- **Ribeiro PS***, Wepf A*, Josue F*, Wehr MC, Rinner O, Kelly G, Tapon N, Gstaiger M. Combined functional genomic and proteomic approaches identify a PP2A complex as a negative regulator of Hippo signalling. Mol Cell 2010 Aug; 39(4):521-34. * - equal author contribution. PMID: 20797625

- Lhocine N*, **Ribeiro PS***, Buchon N, Wepf A, Wilson R, Tenev T, Lemaitre B, Gstaiger M, Meier P, Leulier F. PIMS modulates immune tolerance by negatively regulating Drosophila innate immune signalling. Cell Host Microbe 2008 Aug; 4(2):147-158. * - equal author contribution. PMID: 18692774

- **Ribeiro PS**, Leulier F, Tenev T, Meier P. DIAP2 functions as a 'mechanism-based' regulator of drICE that contributes to the caspase activity threshold in living cells. J Cell Biol 2007 Dec; 179(7):1467-80. PMID: 18166655