

Appendix A

Publications and presentations

A.1 Publications

- Brosch M, Swamy S, Hubbard T, Choudhary J: **Comparison of Mascot and X!Tandem performance for low and high accuracy mass spectrometry and the development of an adjusted Mascot threshold.** *Mol Cell Proteomics* 2008, **7**:962-970.
- Brosch M, Yu L, Hubbard T, Choudhary J: **Accurate and Sensitive Peptide Identification with Mascot Percolator.** *J Proteome Res* 2009, **8**:3176-3181.
- Brosch M, Choudhary J: **Scoring and validation of tandem MS peptide identification methods.** Proteome bioinformatics: Informatics for mass-spectrometry based protein science for the series “Methods of Molecular Biology”, chapter 4. *Humana Press* 2010.
- Brosch M, Harrow J, Saunders G, Frankish A, Collins M, Yu L, Choudhary J, Hubbard T: **Refining annotation of the mouse genome using mass spectrometry.** In preparation.
- Mattison J, Kool J, Uren A, Ridder J, Wessels L, Jonkers J, Bignell G, Butler

A, Rust A, Brosch M, Wilson C, Weyden L, Largaespada D, Stratton M, Futreal P, Lohuizen M, Berns A, Collier L, Hubbard T, Adams D: **Large-scale cross-species comparative oncogenomics identifies candidate oncogenes and tumour suppressor genes.** *Cancer Research* 2009.

- Freeman TC, Goldovsky L, Brosch M, van Dongen S, Maziere P, Grocock RJ, Freilich S, Thornton J, Enright AJ: **Construction, visualisation, and clustering of transcription networks from microarray expression data.** *PLoS Comput Biol* 2007, **3**:2032-2042.

A.2 Presentations

- Brosch M, Hubbard T, Choudhary J: **Development of an efficient proteogenomic annotation pipeline and its application to the Mouse genome,** International Mass Spectrometry Conference, Bremen (Germany), 2009 (poster).
- Brosch M: **Sensitive and accurate peptide identification with Mascot Percolator,** MatrixScience ASMS Workshop and User Meeting, Philadelphia (USA), 2009 (oral).
- Brosch M, Hubbard T, Choudhary J: **Development of a reliable and efficient genome annotation pipeline using proteomic mass spectrometry data,** ASMS Conference on Mass Spectrometry, Philadelphia (USA), 2009 (poster).
- Brosch M, Hubbard T, Choudhary J: **Mascot Percolator: improved peptide and protein identification,** ASMS Conference on Mass Spectrometry, Denver (USA), 2008 (poster).
- Brosch M, Hubbard T, Choudhary J: **An empirical Mascot scoring scheme**

for high accuracy mass spectrometry that enhances peptide identification, ASMS Conference on Mass Spectrometry, Indianapolis (USA), 2007 (poster).