

Functional characterisation of the yeast tumour suppressor homologue Sro7p

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AKADEMISK AVHANDLING

För filosofie doktorsexamen i mikrobiologi (examinator Thomas Nyström), som enligt fakultetsstyrelsens beslut kommer att offentligt försvaras fredagen den 23 oktober 2009, kl. 10.00 i föreläsningssal Tor Bjurström, Medicinargatan 3B, Göteborg
Fakultetsopponent: Professor Bruno André, Université Libre de Bruxelles

Papers included in this thesis;

- I: Wadskog, I., **A. Forsmark**, G. Rossi, C. Konopka, M. Öyen, M. Goksör, H. Ronne, P. Brennwald, and L. Adler. 2006. The yeast tumor suppressor homologue Sro7p is required for correct targeting of the sodium transporting ATPase to the plasma membrane.
Mol Biol Cell. 17:4988-5003
- II: **Forsmark, A.**, J. Warringer, G. Rossi, P. Brennwald, and L. Adler 2009. Quantitative proteomics of yeast post-Golgi vesicles reveals a discriminating role for Sro7p in protein secretion.
Submitted
- III: **Forsmark, A.**, Nilsson, J. Warringer, L. Brive, L. Adler and M. Ellerström. Structural and functional characterisation of the *Arabidopsis thaliana* lethal giant larvae/tomosyn homologues AtLGL1 and AtLGL2.
Manuscript
- IV: **Forsmark, A.**, I. Wadskog, E. Krogh Johansson and L. Adler. The arrestin-like protein Art5p is required for Rsp5p mediated ubiquitylation and mis-sorting of the sodium transporter Ena1p.
Manuscript