EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

# Curriculum Vitae

## Personal information

Pille Saalik

## Work experience

1. Employer: University of Tartu
   - Start date: 2005
   - End date: 2012
   - Position: researcher
   - Activities: cell_penetrating peptides
   - Country: Estonia
2. Employer: University of Tartu
   - Start date: 2012
   - End date: 2018
   - Position: post_doctoral fellow
   - Activities: Cancer biology, tumor penetrating peptides
   - Country: Estonia
3. Employer: State Agency of Medicines
   - Start date: 2018
   - End date:
   - Position: specialist at department of biologicals
   - Activities:
   - Country: Estonia

## Education and training

1. Subject: University of Tartu
   - Start date: 2004
   - End date: 2009
   - Qualification: PhD, cell biology
   - Organisation:
   - Country: Estonia
2. Subject: University of Tartu
   - Start date: 2017
   - End date: 2019
   - Qualification: Secondary school science teacher
   - Organisation:
   - Country: Estonia

## Additional information

### Publications

1. Peptide_guided nanoparticles for glioblastoma targeting. Säälik P, Lingasamy P, Toome K, Mastandrea I, Rousso_Noori L, Tobi A, Simón_Gracia L, Hunt H, Paiste P, Kotamraju VR, Bergers G, Asser T, Rätsep T, Ruoslahti E, Bjerkvig R, Friedmann_Morvinski D, Teesalu T. J Control Release. 2019 Aug 28;308:109_118. doi: 10.1016/j.jconrel.2019.06.018. Epub 2019 Jun 27. 2. Arginine_Rich Cell_Penetrating Peptides Require Nucleolin and Cholesterol_Poor Subdomains for Translocation across Membranes. Lorents A, Säälik P, Langel Ü, Pooga M. Bioconjug Chem. 2018 Mar 14. doi: 10.1021/acs.bioconjchem.7b00805. 3. Precision Targeting of Tumor Macrophages with a CD206 Binding Peptide. Scodeller P, Simón_Gracia L, Kopanchuk S, Tobi A, Kilk K, Säälik P, Kurm K, Squadrito ML, Kotamraju VR, Rinken A, De Palma M, Ruoslahti E, Teesalu T. Sci Rep. 2017 Nov 7;7(1):14655. doi: 10.1038/s41598_017_14709_x. 4. Pae, J.; Säälik, P.; Liivamägi, L.; Lubenets, D.; Arukuusk, P.; Langel, Ü.; Pooga, M. (2014). Translocation of cell_penetrating peptides across the plasma membrane is controlled by cholesterol and microenvironment created by membranous proteins. Journal of Controlled Release, 192, 103−113.10.1016/j.jconrel.2014.07.002. 5. Räägel, H.; Hein, M.; Kriiska, A.; Säälik, P.; Floren, A.; Langel, Ü.; Pooga, M. (2013). Cell_penetrating peptide secures an efficient endosomal escape of an intact cargo upon a brief photo_induction. Cellular and Molecular Life Sciences, 70, 4825−4839.10.1007/s00018_013_1416_z. 6. Säälik, P.; Niinep, A.; Pae, J.; Hansen, M.; Lubenets, D.; Langel, Ü.; Pooga, M. (2011). Penetration without cells: membrane translocation of cell_penetrating peptides in the model giant plasma membrane vesicles. Journal of Controlled Release, 153 (2), 117−125. 7. Räägel, Helin; Säälik, Pille; Pooga, Margus (2010). Peptide_mediated protein delivery – Which pathways are penetrable? Biochimica et Biophysica Acta_Biomembranes, 1798 (12), 2240−2248.10.1016/j.bbamem.2010.02.013. 8. Turner, Y.; Wallukat, G.; Säälik, P.; Wiesner, B.; Pritz, S.; Oehlke, J. (2009). Cellular uptake and biological activity of peptide nucleic acids conjugated with peptides with and without cell_penetrating ability. Journal of Peptide Science, 16 (1), 71−80.10.1002/psc.1198. 9. Räägel, H.; Säälik, P.; Hansen, M., Langel, Ü.; Pooga, M. (2009). Cell_penetrating peptides_protein constructs induce a population of non_acidic vesicles during trafficking through the endolysosomal pathway. Journal of Controlled Release, 139 (2), 108−117.10.1016/j.jconrel.2009.06.028. 10. Säälik, P.; Padari, K.; Niinep, A.; Lorents, A.; Hansen, M.; Jokitalo, E.; Langel, Ü.; Pooga, M. (2009). Protein delivery with transportans is mediated by caveolae rather than flotillin_dependent pathways. Bioconjugate Chemistry, 20 (5), 877−887.10.1021/bc800416f. 11. Padari, K.; Säälik, P.; Hansen, M.; Koppel, K.; Raid, R.; Langel, Ü.; Pooga, M. (2005). Cell transduction pathways of transportans. Bioconjugate Chemistry, 16 (6), 1399−1410. 12. Säälik, P.; Elmquist, A.; Hansen, M.; Padari, K.; Saar, K.; Viht, K.; Langel, V.; Pooga, M. (2004). Protein cargo delivery properties of cell_penetrating peptides. A comparative study. Bioconjugate Chemistry, 15 (6), 1246−1253.

### Projects

### Memberships

## Other Relevant Information