

Biotechnology News

September 2018

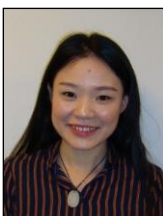
New personnel/guests



- **Siri Norlander**, PhD student, supervised by Carl



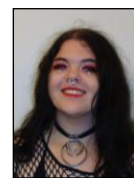
- **Cecilia Tullberg**, PostDoc, team Patrick



- **Fang Huang**, PhD student, supervised by Olle

- Master students starting their theses projects in September:

Damaride Stallone will do a project in STEPS research program on the enzyme systems for increasing the carbon chain length of alpha-keto acids with Lu Chen.



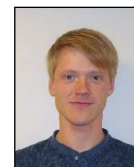
Stefano Sacchetto will do a project in STEPS on constructing a metabolic pathway of transforming glucose to aromatic building blocks for polymers with Oliver Englund Örn.



Sara Saleh from Aalborg University in Copenhagen will have a project on developing an integrated chemo-biotech process for production of a furan based chemical building block with Mahmoud Sayed and Sara Jónsdóttir.



Björn Pålsson, Master thesis project, invited by Javier



Eimantas Gladkauskas, supervised by Ariana Causevic

PUBLICATIONS

Kanders, L., Beier, M., Nogueira, R. and Nehrenheim, E. (2018) Sinks and sources of anammox bacteria in a waste water treatment plant - screening with qPCR. *Water Science and Technology*, 78(2), 441–451. doi: 10.2166/wst.2018.318

Rajni Hatti-Kaul, Lu Chen, Tarek Dishisha and Hesham El Enshasy Lactic acid bacteria: from starter cultures to producers of chemicals. *FEMS Microbiology Letters* DOI: 10.1093/femsle/fny213

Gil-Ramirez, A., **Salas-Veizaga, D. M., Grey, C., Karlsson, E. N.**, Rodriguez-Meizoso, I., & **Linares-Pastén, J. A.** (2018). Integrated process for sequential extraction of saponins, xylan and cellulose from quinoa stalks (*Chenopodium quinoa* Willd.). *Industrial Crops and Products*, 121, 54-65. (<https://doi.org/10.1016/j.indcrop.2018.04.074>)

Gil-Ramirez, A., **Salas-Veizaga, D. M., Grey, C., Karlsson, E. N.**, Rodriguez-Meizoso, I., & **Linares-Pastén, J. A.** (2018). Data on saponins, xylan and cellulose yield obtained from quinoa stalks after pressurized hot water extraction. *Data in Brief*, 20, 289-292. (<https://doi.org/10.1016/j.dib.2018.08.003>)

Bustos, A. S., Håkansson, A., **Linares-Pastén, J. A.**, Penarrieta, J. M., & Nilsson, L. (2018). Interaction Between Phenolic Compounds and Lipase: The Influence of Solubility and Presence of Particles in the IC50 Value. *Journal of food science*. 83(8), 2071-2076 (<https://doi.org/10.1111/1750-3841.14217>)

Nordberg Karlsson, E., Schmitz, E., Linares-Pastén, J. A., & Adlercreutz, E., Endo-xylanases as tools for production of substituted xylooligosaccharides with prebiotic properties. **Accepted for publication in:** *Applied Microbiology and Biotechnology* doi.org/10.1007/s00253-018-9343-4

MISCELLANEOUS

Grants:

Javier has been awarded a funding of 30'000 kronor from the Bertil Anderssons Foundation, for structural studies of proteins.

Javier has been awarded a funding of 300'000 kronor from the J. Gust. Richert Foundation for the development of biocatalysts for the degradation of fossil-based plastics.

Invitation:

Javier has been invited by Prof. Seungho Lee to visit the Department of Chemistry at Hannam University. He will be two weeks during October in Daejeon, Korea.

Adel Abouhmad will join a lab at University of Ghent in Belgium for one month and half to work on a project on generating Artilysin constructs with improved antibacterial activity

- KILU day 2018 – save the date!
This years' department day, the KILU day will be October 11th.
An invitation and more information will come soon.

Contributions to the next newsletter
(expected out in October 2018):
Please send an e-mail to Emma
emma.poaches@biotek.lu.se