

List of Core-contributed Publications:

Updated June 9, 2016

We'd like to express our gratitude to all of our users who are formally acknowledging the contributions of the [Centre for High-Throughput Phenogenomics \(CHTP\)](#) in their publications!

1. Zhang RH, Judson RN, Liu DY, Kast J, Rossi FM. The lysine methyltransferase Ehmt2/G9a is dispensable for skeletal muscle development and regeneration. *Skelet Muscle*. 2016 May 27;6:22. doi: 10.1186/s13395-016-0093-7. PubMed PMID: [27239264](#). [Free full text](#)
2. Jaw JE, Tsuruta M, Oh Y, Schipilow J, Hirano Y, Ngan DA, Suda K, Li Y, Oh JY, Moritani K, Tam S, Ford N, van Eeden S, Wright JL, Man SF, Sin DD. Lung exposure to lipopolysaccharide causes atherosclerotic plaque destabilisation. *Eur Respir J*. 2016 Mar 23. pii: ERJ-00972-2015. doi: 10.1183/13993003.00972-2015. PubMed PMID: [27009170](#).
3. Schroeder AA, Ford NL, Coil JM. Micro-computed tomography analysis of post space preparation in root canals filled with carrier-based thermoplasticized gutta-percha. *Int Endod J*. 2016 Feb 11. doi: 10.1111/iej.12618. PubMed PMID: [26865499](#).
4. Panwar P, S e K, Guido RV, Bueno RV, Delaisse JM, Br mme D. A novel approach to inhibit bone resorption: exosite inhibitors against cathepsin K. *Br J Pharmacol*. 2016 Jan;173(2):396-410. doi: 10.1111/bph.13383. Epub 2015 Dec 16. PubMed PMID: [26562357](#).
5. Karimi D, Deman P, Ward R, Ford N. A sinogram denoising algorithm for low-dose computed tomography. *BMC Med Imaging*. 2016 Jan 22;16:11. doi: 10.1186/s12880-016-0112-5. PubMed PMID: [26800667](#). [Free full text](#)
6. Karimi, D., Ward, R. and Ford, N. A fast weighted stochastic gradient descent algorithm for image reconstruction in 3D computed tomography. 2015. [Free full text](#)
7. Sow PK, Prass S, M rida W. An Alternative Approach to Evaluate the Wettability of Carbon Fiber Substrates. *ACS Appl Mater Interfaces*. 2015 Oct 7;7(39):22029-35. doi: 10.1021/acsami.5b06952. Epub 2015 Sep 23. PubMed PMID: [26375575](#).
8. Panwar P, Lamour G, Mackenzie NC, Yang H, Ko F, Li H, Br mme D. Changes in Structural-Mechanical Properties and Degradability of Collagen during Aging-associated Modifications. *J Biol Chem*. 2015 Sep 18;290(38):23291-306. doi: 10.1074/jbc.M115.644310. Epub 2015 Jul 29. PubMed PMID: [26224630](#).

9. Gavelis GS, Hayakawa S, White RA 3rd, Gojobori T, Suttle CA, Keeling PJ, Leander BS. Eye-like ocelloids are built from different endosymbiotically acquired components. *Nature*. 2015 Jul 9;523(7559):204-7. doi:10.1038/nature14593. Epub 2015 Jul 1. PubMed PMID: [26131935](#).
10. Sharma V, Panwar P, O'Donoghue AJ, Cui H, Guido RV, Craik CS, Brömme D. Structural requirements for the collagenase and elastase activity of cathepsin K and its selective inhibition by an exosite inhibitor. *Biochem J*. 2015 Jan 1;465(1):163-73. doi: 10.1042/BJ20140809. PubMed PMID: [25279554](#).
11. Fang B, Bonakdarpour A, Reilly K, Xing Y, Taghipour F, Wilkinson DP. Large-scale synthesis of TiO₂ microspheres with hierarchical nanostructure for highly efficient photodriven reduction of CO₂ to CH₄. *ACS Appl Mater Interfaces*. 2014 Sep 10;6(17):15488-98. doi: 10.1021/am504128t. Epub 2014 Aug 25. PubMed PMID: [25140917](#).
12. Panwar P, Du X, Sharma V, Lamour G, Castro M, Li H, Brömme D. Effects of cysteine proteases on the structural and mechanical properties of collagen fibers. *J Biol Chem*. 2013 Feb 22;288(8):5940-50. doi: 10.1074/jbc.M112.419689. Epub 2013 Jan 7. PubMed PMID: [23297404](#).