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Macromolecular structure and function
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Kvalifikationer

Molecular Physiology and Biophysics, PhD, Case Western Reserve University
1 okt 2011 → 13 dec 2013

Molecular Physiology and Biophysics, PhD student, Vanderbilt University
1 jun 2009 → 30 sep 2011

Biology, BSc, University of Alabama Huntsville
16 aug 2004 → 2 maj 2009

Anställning

Macromolecular structure and function

Helsingfors universitet
1 maj 2017 → present

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Forskningsprogrammet för molekylära och integrativa biovetenskaper
Helsingfors universitet
Finland
1 maj 2018 → present

EMBO/HFSP Postdoctoral Fellow

University of Zurich
Zurich, Schweiz
1 apr 2014 → 30 apr 2017

Graduate Researcher

Case Western Reserve University
Cleveland, Förenta Staterna (USA)
1 okt 2011 → 13 dec 2013

Graduate Researcher

Vanderbilt University
Nashville, Tennessee, Förenta Staterna (USA)
1 jun 2009 → 30 sep 2011

Undergraduate Researcher

University of Alabama Huntsville
Huntsville, Förenta Staterna (USA)
1 maj 2008 → 31 jul 2008

Forskningsoutput

Pool-seq driven proteogenomic database for Group G Streptococcus

Weldatsadik, R. G., Datta, N., Kolmeder, C., Vuopio, J., Kere, J., Wilkman, S. V., Flatt, J. W., Vuento, R., Haapasalo, K. J., Keskitalo, S., Varjosalo, M. & Jokiranta, T. S., 15 jun 2019, I : Journal of Proteomics. 201, s. 84-92 9 s.

A novel druggable interprotomer pocket in the capsid of rhino- and enteroviruses

Abdelnabi, R., Geraets, J. A., Ma, Y., Mirabelli, C., Flatt, J. W., Domanska, A., Delang, L., Jochmans, D., Kumar, T. A., Jayaprakash, V., Sinha, B. N., Leyssen, P., Butcher, S. J. & Neyts, J., jun 2019, I : PLoS Biology. 17, 6, 17 s., 3000281.

A 2.8-Angstrom-Resolution Cryo-Electron Microscopy Structure of Human Parechovirus 3 in Complex with Fab from a Neutralizing Antibody

Domanska, A., Flatt, J. W., Jukonen, J., Geraets, J. & Butcher, S. J., feb 2019, I : Journal of Virology. 93, 4, 12 s., e01597-18.

Adenovirus flow in host cell networks

Flatt, J. W. & Butcher, S. J., feb 2019, I : Open biology. 9, 2, 11 s., 190012.

Adenovirus Entry: From Infection to Immunity

Greber, U. F. & Flatt, J. W., 2019, *ANNUAL REVIEW OF VIROLOGY, VOL 6, 2019*. Enquist, L., DiMaio, D. & Demody, T. (red.). Annual Reviews, Vol. 6. s. 177-197 21 s. (Annual Review of Virology; vol. 6).

Putting data before the carrot

Flatt, J. W., Blasimme, A. & Vayena, E., 25 sep 2017, I : Elephant in the Lab blog.

The case for tracking self-citations

Flatt, J. W., 19 sep 2017, I : Physics Today.

Small-size recombinant adenoviral hexon protein fragments for the production of virus-type specific antibodies

Pacesa, M., Hendrickx, R., Bieri, M., Flatt, J. W., Greber, U. F. & Hemmi, S., 18 aug 2017, I : Virology Journal. 14, 14 s., 158.

Improving the Measurement of Scientific Success by Reporting a Self-citation Index

Flatt, J. W., Blasimme, A. & Vayena, E., 1 aug 2017, I : Publications. 5, 3, 6 s., 20.

Viral mechanisms for docking and delivering at nuclear pore complexes

Flatt, J. W. & Greber, U. F., aug 2017, I : Seminars in Cell and Developmental Biology. 68, s. 59-71 13 s.

Misdelivery at the Nuclear Pore Complex-Stopping a Virus Dead in Its Tracks

Flatt, J. W. & Greber, U. F., sep 2015, I : Cells. 4, 3, s. 277-296 20 s.

Coagulation Factor Binding Orientation and Dimerization May Influence Infectivity of Adenovirus-Coagulation Factor Complexes

Irons, E. E., Flatt, J. W., Doronin, K., Fox, T. L., Acchione, M., Stewart, P. L. & Shayakhmetov, D. M., sep 2013, I : Journal of Virology. 87, 17, s. 9610-9619 10 s.

An Intrinsically Disordered Region of the Adenovirus Capsid Is Implicated in Neutralization by Human Alpha Defensin 5

Flatt, J. W., Kim, R., Smith, J. G., Nemerow, G. R. & Stewart, P. L., 19 apr 2013, I : PLoS One. 8, 4, 10 s., 61571.

CryoEM Visualization of an Adenovirus Capsid-Incorporated HIV Antigen

Flatt, J. W., Fox, T. L., Makarova, N., Blackwell, J. L., Dmitriev, I. P., Kashentseva, E. A., Curiel, D. T. & Stewart, P. L., 14 nov 2012, I : PLoS One. 7, 11, 8 s., 49607.

Coagulation Factor X Activates Innate Immunity to Human Species C Adenovirus

Doronin, K., Flatt, J. W., Di Paolo, N. C., Khare, R., Kalyuzhniy, O., Acchione, M., Sumida, J. P., Ohto, U., Shimizu, T., Akashi-Takamura, S., Miyake, K., MacDonald, J. W., Bammler, T. K., Beyer, R. P., Farin, F. M., Stewart, P. L. & Shayakhmetov, D. M., 9 nov 2012, I : Science. 338, 6108, s. 795-798 4 s.

The E2-25K ubiquitin-associated (UBA) domain aids in polyubiquitin chain synthesis and linkage specificity

Wilson, R. C., Edmondson, S. P., Flatt, J. W., Helms, K. & Twigg, P. D., 25 feb 2011, I : Biochemical and Biophysical Research Communications. 405, 4, s. 662-666 5 s.

Structure of full-length ubiquitin-conjugating enzyme E2-25K (huntingtin-interacting protein 2)

Wilson, R. C., Hughes, R. C., Flatt, J. W., Meehan, E. J., Ng, J. D. & Twigg, P. D., maj 2009, I : Acta crystallographica. Section F: Structural biology and crystallization communications . 65, s. 440-444 5 s.