

Justin Flatt  
Macromolecular structure and function

## Kvalifikationer

Molecular Physiology and Biophysics, PhD, Structural insights into recognition of adenoviruses by immunologic and serum factors, Case Western Reserve University  
1 okt. 2011 → 13 dec. 2013  
Tilldelningsdatum: 13 dec. 2013

Molecular Physiology and Biophysics, PhD student, Structural insights into recognition of adenoviruses by immunologic and serum factors, Vanderbilt University  
1 juni 2009 → 30 sep. 2011

Biology , BSc, Characterization of an E2 ubiquitin conjugating enzyme, University of Alabama Huntsville  
16 aug. 2004 → 2 maj 2009

## Anställning

**Macromolecular structure and function**  
Helsingfors universitet  
Finland  
1 maj 2017 → 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 juni 2009 → 30 sep. 2011

**Undergraduate Researcher**  
University of Alabama Huntsville  
Huntsville, Förenta Staterna (USA)  
1 maj 2008 → 31 juli 2008

## Forskningsoutput

**Identification of a conserved virion-stabilizing network inside the interprotomer pocket of enteroviruses**  
Flatt, J., Domanska, A., Seppälä, A. L. & Butcher, S., 26 feb. 2021, I: Communications Biology. 4, 8 s., 250.

**Tracking self-citations in academic publishing**  
Kacem, A., Flatt, J. W. & Mayr, P., maj 2020, I: Scientometrics. 123, 2, s. 1157–1165 9 s.

**The E3 Ubiquitin Ligase Mind Bomb 1 Controls Adenovirus Genome Release at the Nuclear Pore Complex**  
Bauer, M., Flatt, J. W., Seiler, D., Cardel, B., Emmenlauer, M., Boucke, K., Suomalainen, M., Hemmi, S. & Greber, U. F., 17 dec. 2019, I: Cell Reports. 29, 12, s. 3785-3795.e8 19 s.

**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 juni 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., juni 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., Accione, 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.