

Postdoc and PhD student positions in IMMUNOLOGY OF PERSISTENT VIRAL INFECTION

University of Basel, Switzerland

The Pinschewer laboratory solicits applications by postdoctoral scientists and PhD students interested in the area of adaptive immunity to chronic viral infection. We are looking for curious, driven and hard-working personalities with social skills and team spirit. Eagerness to learn, push your own limits and a strong desire to make fundamental discoveries are key attributes. Postdoctoral scientists should have a track record in immunological or virological research, preferentially with experience in animal models. Expertise in molecular biology is a plus.

The city of Basel is one of Europe's hotspots in infection biology, with world-class research institutions and major global players in biopharmaceutical industry within walking distance. Its excellent positioning in the heart of Europe, borders to Germany and France and its own airport combine with all the advantages of a medium-sized yet internationally spirited city with highest quality of living.

Our research group operates on the basis of strong extramural funding from the European Research Council (ERC and H2020 framework grants), the Swiss National Science Foundation (SNSF Sinergia and project grants), private foundations and generous, cutting-edge infrastructure support from the University of Basel. The research focus of the group is centered in immunity to viral infection, with an emphasis on T and B cell responses in chronic viral infection.

Select references:

- Sommerstein R, Flatz L, Remy MM, Malinge P, Magistrelli G, Fischer N, Sahin M, Bergthaler A, Igonet S, Ter Meulen J, Rigo D, Meda P, Rabah N, Coutard B, Bowden TA, Lambert PH, Siegrist CA, **Pinschewer** DD. *PLoS Pathog.* 2015 e1005276.
- Bonilla W.V., Fröhlich A., Senn K., Kallert S., Fernandez M., Johnson S., Kreutzfeldt M., Hegazy A.N., Schrick C., Fallon P.G., Klemenz R., Nakae S., Adler H., Merkler D., Löhning M. and D. D. Pinschewer. The Alarmin Interleukin-33 Drives Protective Antiviral CD8⁺ T Cell Responses. *Science.* 2012 Feb 24;335(6071):984-9
- Flatz L., Hegazy A.N., Bergthaler A., Verschoor A., Claus C., Fernandez M., Gattinoni L., Johnson S., Kreppel F., Kochanek S., van den Broek M., Radbruch A., Lévy F., Lambert P.H., Siegrist C.A., Restifo N.P., Löhning M., Ochsenbein A.F., Nabel G.J., and D. D. Pinschewer. Development of replication-defective lymphocytic choriomeningitis virus vectors for induction of potent CD8⁺ T cell immunity. *Nat. Med.* 2010 Mar;16(3):339-45
- Bergthaler A., Flatz L., Hegazy A. N., Johnson S., Horvath E., Löhning M. and D. D. Pinschewer., Viral replicative capacity is the primary determinant of lymphocytic choriomeningitis virus persistence and immunosuppression. *Proc Natl Acad Sci USA* 107(50):21641-6.
- Bergthaler A., Flatz L., Verschoor A., Hegazy A.N., Holdener M., Fink K., Eschli B., Merkler D., Sommerstein R., Horvath E., Fernandez M., Fitsche A., Senn B.M., Verbeek J.S., Odermatt B., Siegrist C. A. and D. D. Pinschewer, 2009. Impaired antibody response causes persistence of prototypic T cell-contained virus. *PLoS Biol.* 2009 Apr 7;7(4):e1000080

Applicants should send a motivation letter, CV, list of publications and names of referees to Prof. Dr. Daniel D. Pinschewer: daniel.pinschewer@unibas.ch