Hidetaka Tanno, Ph.D.

Postdoctoral fellow
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EDUCATION AND TRAINING

The University of Texas at Austin, The McKetta Department of Chemical Engineering
Postdoctoral fellow, Biotechnology, University of Texas at Austin. 2013 July-Present

Tokyo Institute of Technology
Postdoctoral fellow, Molecular and Cell Biology, Tokyo Institute of Technology,
2013 April - 2013 June

Tokyo Institute of Technology
Ph.D. in Molecular and Cell Biology, March 2013
Dissertation: “The Ankrd 13 family of UIM-bearing proteins regulates cell surface receptor endocytosis from the plasma membrane”

Tokyo Institute of Technology
M.S. in Molecular and Cell Biology, March 2010

Tokyo Institute of Technology
B.S. in Bioscience and Biotechnology, March 2008

ACADEMIC AND PROFESSIONAL HONORS

2017-Present – Cancer Prevention Research Institute of Texas Postdoctoral Fellowship
2015-2017- Postdoctoral Fellowship for Research Abroad
(Japan Society for the Promotion of Science)
2012 – The Uehara Memorial Foundation Research Fellowship.
2012 – Dean’s award, Department of Biological Sciences, Tokyo Institute of Technology

PUBLICATIONS

Research Articles (Peer-reviewed Journals)
IgG Fc Domains that Bind C1q but not Effector Fcγ Receptors Delineate the Significance of

Complement-Mediated Cell Cytotoxicity and Phagocytosis in Antibody Function.
CH Lee, G Romain, W Yan, B Todorova, M Watanabe, W Charab, B Todorova, J Lee, K Triplett, M Donkor, O Lungu, A Lux, N Marshall, M Lindorfer, OR Le Goff , TH Kang, **H Tanno**, G Delidakis, C Alford, RP. Taylor, F Nimmerjahn, N Varadarajan, P Bruhns,, YJ Zhang and G Georgiou.
Nature Immunology 2017 (Under Revise)

Ultra-high-throughput sequencing of the immune receptor repertoire from millions of lymphocytes.
JR McDaniel, BJ DeKosky, **H Tanno**, AD Ellington, G Georgiou. Nature protocols (2016)

Facile Discovery of a Diverse Panel of Anti-Ebola Virus Antibodies by Immune Repertoire Mining.
B Wang, CA Kluwe, OI Lungu, BJ DeKosky, SA Kerr, EL Johnson, **H Tanno**, CH Lee, J Jung, AB Rezigh, SM Carroll, AN Reyes, JR Bentz, I Villanueva, AL Altman, RA Davey, AD Ellington, G Georgiou. Scientific reports (2016)

Discovery of high affinity anti-ricin antibodies by B cell receptor sequencing and by yeast display of combinatorial VH: VL libraries from immunized animals.
B Wang, CH Lee, EL Johnson, CA Kluwe, JC Cunningham, **H Tanno**, RM Crooks, G Georgiou, AD Ellington. mAbs (2016)

The Ankrd13 Family of Ubiquitin-interacting Motif-bearing Proteins Regulates Valosin-containing Protein/p97 Protein-mediated Lysosomal Trafficking of Caveolin 1.
D Burana, H Yoshihara, **H Tanno**, A Yamamoto, Y Saeki, K Tanaka, M Komada.
The Journal of Biological Chemistry (2014)

Ubiquitin-interacting motifs confer full catalytic activity, but not ubiquitin chain substrate specificity, to deubiquitinating enzyme USP37.
H Tanno, T Shigematsu, S Nishikawa, A Hayakawa, K Denda, T Tanaka, M Komada
The Journal of Biological Chemistry (2013).

The Ankrd 13 family of UIM-bearing proteins regulates EGF receptor endocytosis from the plasma membrane. **H Tanno**, T Yamaguchi, E Goto, S Ishido, M Komada
Molecular Biology of the Cell (2012).

Review Article (Peer-reviewed Journals)

The ubiquitin code and its decoding machinery in endocytosis and lysosomal traffic.
H Tanno, M Komada The Journal of Biochemistry. (2013)

Publications in Preparation (author order may change)

High-throughput sequencing of paired T cell receptor repertoire.
H Tanno, R Durrett, JR McDaniel, J Gollihar, D Park, BJ DeKosky, Q Qi , JW Ellefson, , AD Ellington, GC Ippolito, JJ Goronzy and G Georgiou.(In preparation)