Stanford

Ted Jardetzky

Professor of Structural Biology

CONTACT INFORMATION

- **Administrative Contact**

  Dorit Adar

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Bio

ACADEMIC APPOINTMENTS

- Professor, Structural Biology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Pew Scholar in the Biomedical Sciences, Pew Foundation (1996-2001)
- Investigator Award, Cancer Research Institute (1999-2003)
- Research Scholar, Leukemia and Lymphoma Society (2001-2006)
- NIH Merit Award, NIAID/NIH (2001-2011)
- Fellow, American Academy of Microbiology (2008)

PROFESSIONAL EDUCATION

- Ph.D., University of Basel, Switzerland , Biophysical Chemistry (1986)
- B.S., Stanford University , Chemistry (1982)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Jardetzky laboratory is studying the structures and mechanisms of macromolecular complexes important in viral pathogenesis, allergic hypersensitivities and the regulation of cellular growth and differentiation, with an interest in uncovering novel conceptual approaches to intervening in disease processes. Ongoing research projects include studies of paramyxovirus and herpesvirus entry mechanisms, IgE-receptor structure and function and TGF-beta ligand signaling pathways.

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Gita Abhiraman

Postdoctoral Faculty Sponsor

Iti Kapoor, Javaria Najeeb

Doctoral Dissertation Advisor (AC)

Anthony Buzzanco

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biophysics (Phd Program)
- Immunology (Phd Program)
- Structural Biology (Phd Program)

Publications

PUBLICATIONS

- **Potent cross-neutralization of respiratory syncytial virus and human metapneumovirus through a structurally conserved antibody recognition mode.** *Cell host & microbe*
  Wen, X., Suryadevara, N., Kose, N., Liu, J., Zhan, X., Handal, L. S., Williamson, L. E., Trivette, A., Carnahan, R. H., Jardetzky, T. S., Crowe, J. E.
  2023
- **Suppression of IgE production in primary human B-cells using a novel anti- IgE molecule**
  Guntern, P., Pennington, L., Nyffeler, S., Jardetzky, T., Eggel, A.
  WILEY.2023: 8
- **Sex-specific differences in immune response to SARS-CoV-2 vaccination vanish with age.** *Allergy*
  Brigger, D., Guntern, P., Jonsdottir, H. R., Pennington, L. F., Weber, B., Taddeo, A., Zimmer, G., Leborgne, N. G., Benarafa, C., Jardetzky, T. S., Eggel, A.
  2023
- **Identification of functionally important domains of human cytomegalovirus gO that act after trimer binding to receptors.** *PLoS pathogens*
  Chin, A., Liu, J., Jardetzky, T., Johnson, D. C., Vanarsdall, A.
  2022; 18 (4): e1010452
- **Directed evolution of and structural insights into antibody-mediated disruption of a stable receptor-ligand complex.** *Nature communications*
  Pennington, L. F., Gasser, P., Kleinboelting, S., Zhang, C., Skiniotis, G., Eggel, A., Jardetzky, T. S.
  2021; 12 (1): 7069
- **Direct comparison of antibody responses to four SARS-CoV-2 vaccines in Mongolia.** *Cell host & microbe*
  Dashdorj, N. J., Wirz, O. F., Roltgen, K., Haraguchi, E., Buzzanco, A. S., Sibai, M., Wang, H., Miller, J. A., Solis, D., Sahoo, M. K., Arunachalam, P. S., Lee, A. S., Shah, et al
  2021
- **Fast acting disruptive IgE inhibitors rapidly desensitize allergic effector cells and resolve IgE-mediated anaphylaxis**
  Pennington, L. F., Gasser, P., Brigger, D., Guntern, P., Eggel, A., Jardetzky, T. S.
  WILEY.2021: 21
- **Cryo-Electron Microscopy Structure and Interactions of the Human Cytomegalovirus gHgLgO Trimer with Platelet-Derived Growth Factor Receptor Alpha.** *mBio*
  Liu, J., Vanarsdall, A., Chen, D., Chin, A., Johnson, D., Jardetzky, T. S.
  2021; 12 (5): e0262521
- **Invited review: The role of allergen-specific IgE, IgG and IgA in allergic disease.** *Allergy*
  Shamji, M. H., Valenta, R., Jardetzky, T., Verhasselt, V., Durham, S. R., Wurtzen, P. A., van Neerven, R. J.
  2021
- **Structure-guided design of ultrapotent disruptive IgE inhibitors to rapidly terminate acute allergic reactions.** *The Journal of allergy and clinical immunology*

Pennington, L. F., Gasser, P., Brigger, D., Guntern, P., Eggel, A., Jardetzky, T. S.
2021

- **Bottom-up de novo design of functional proteins with complex structural features.** *Nature chemical biology*
  Yang, C., Sesterhenn, F., Bonet, J., van Aalen, E. A., Scheller, L., Abriata, L. A., Cramer, J. T., Wen, X., Rosset, S., Georgeon, S., Jardetzky, T., Krey, T., Fussenegger, et al
  2021

- **EphrinB2 clustering by Nipah virus G is required to activate and trap F intermediates at supported lipid bilayer-cell interfaces.** *Science advances*
  Wong, J. J., Chen, Z. n., Chung, J. K., Groves, J. T., Jardetzky, T. S.
  2021; 7 (5)

- **IPSE, a urogenital parasite-derived immunomodulatory molecule, suppresses bladder pathogenesis and anti-microbial peptide gene expression in bacterial urinary tract infection.** *Parasites & vectors*
  Mbanefo, E. C., Le, L., Pennington, L. F., Hsieh, Y. J., Odegaard, J. I., Lapira, K., Jardetzky, T. S., Falcone, F. H., Hsieh, M. H.
  2020; 13 (1): 615

- **Epstein-Barr Virus gH/gL and Kaposi's Sarcoma-Associated Herpesvirus gH/gL Bind to Different Sites on EphA2 To Trigger Fusion** *JOURNAL OF VIROLOGY*
  Chen, J., Schaller, S., Jardetzky, T. S., Longnecker, R.
  2020; 94 (21)

- **The structural basis of herpesvirus entry.** *Nature reviews. Microbiology*
  Connolly, S. A., Jardetzky, T. S., Longnecker, R.
  2020

- **Accuracy of serological testing for SARS-CoV-2 antibodies: first results of a large mixed-method evaluation study.** *Allergy*
  Brigger, D., Horn, M. P., Pennington, L. F., Powell, A. E., Siegrist, D., Weber, B., Engler, O., Piezzi, V., Damonti, L., Iseli, P., Hauser, C., Froehlich, T. K., Villiger, et al
  2020

- **EBV gH/gL and KSHV gH/gL bind to different sites on EphA2 to trigger fusion.** *Journal of virology*
  Chen, J., Schaller, S., Jardetzky, T. S., Longnecker, R.
  2020

- **SARS-CoV-2 Antibody Responses Correlate with Resolution of RNAemia But Are Short-Lived in Patients with Mild Illness.** *medRxiv : the preprint server for health sciences*
  Röltgen, K., Wirz, O. F., Stevens, B. A., Powell, A. E., Hogan, C. A., Najeeb, J., Hunter, M., Sahoo, M. K., Huang, C., Yamamoto, F., Manalac, J., Otrelo-Cardoso, A. R., Pham, et al
  2020

- **The role of IgE glycosylation patterns on its biological activity**
  Guntern, P., Gasser, P., Ruppli, R., Pennington, L., Brigger, D., Zbaren, N., Jardetzky, T., Eggel, A.
  WILEY.2020: 65–66

- **Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome.** *Science immunology*
  Röltgen, K. n., Powell, A. E., Wirz, O. F., Stevens, B. A., Hogan, C. A., Najeeb, J. n., Hunter, M. n., Wang, H. n., Sahoo, M. K., Huang, C. n., Yamamoto, F. n., Manohar, M. n., Manalac, et al
  2020; 5 (54)

- **The mechanistic and functional profile of the therapeutic anti-IgE antibody ligelizumab differs from omalizumab.** *Nature communications*
  Gasser, P. n., Tarchevskaya, S. S., Guntern, P. n., Brigger, D. n., Ruppli, R. n., Zbären, N. n., Kleinboelting, S. n., Heusser, C. n., Jardetzky, T. S., Eggel, A. n.
  2020; 11 (1): 165

- **De novo protein design enables the precise induction of RSV-neutralizing antibodies.** *Science (New York, N.Y.)*
  Sesterhenn, F. n., Yang, C. n., Bonet, J. n., Cramer, J. T., Wen, X. n., Wang, Y. n., Chiang, C. I., Abriata, L. A., Kucharska, I. n., Castoro, G. n., Vollers, S. S., Galloux, M. n., Dheilly, et al
  2020; 368 (6492)

- **Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2.** *Cell host & microbe*

Nielsen, S. C., Yang, F. n., Jackson, K. J., Hoh, R. A., Röltgen, K. n., Jean, G. H., Stevens, B. A., Lee, J. Y., Rustagi, A. n., Rogers, A. J., Powell, A. E., Hunter, M. n., Najeeb, et al

2020

- **IPSE, an abundant egg-secreted protein of the carcinogenic helminth Schistosoma haematobium, promotes proliferation of bladder cancer cells and angiogenesis.** *Infectious agents and cancer*

  Mbanefo, E. C., Agbo, C. T., Zhao, Y., Lamanna, O. K., Thai, K. H., Karinshak, S. E., Khan, M. A., Fu, C., Odegaard, J. I., Saltikova, I. V., Smout, M. J., Pennington, L. F., Nicolls, et al

  2020; 15: 63

- **IPSE, a parasite-derived, host immunomodulatory infiltrin protein, alleviates resiniferatoxin-induced bladder pain.** *Molecular pain*

  Ishida, K., Mbanefo, E. C., Le, L., Lamanna, O., Pennington, L. F., Finkel, J. C., Jardetzky, T. S., Falcone, F. H., Hsieh, M. H.

  2020; 16: 1744806920970099

- **Human B cell clonal expansion and convergent antibody responses to SARS-CoV-2.** *bioRxiv : the preprint server for biology*

  Nielsen, S. C., Yang, F. n., Jackson, K. J., Hoh, R. A., Röltgen, K. n., Stevens, B. n., Lee, J. Y., Rustagi, A. n., Rogers, A. J., Powell, A. E., Najeeb, J. n., Otrelo-Cardoso, A. R., Yost, et al

  2020

- **Molecular, structural and mechanistic insight into ligelizumab mediated suppression of IgE dependent allergic responses**

  Gasser, P., Tarchevskaya, S. S., Guntern, P., Brigger, D., Zbaren, N., Kleinboelting, S., Heusser, C., Jardetzky, T. S., Eggel, A.

  WILEY.2019: 115

- **IPSE, a parasite-derived host immunomodulatory protein, is a potential therapeutic for hemorrhagic cystitis** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*

  Zee, R. S., Mbanefo, E. C., Le, L. H., Pennington, L. F., Odegaard, J., Jardetzky, T. S., Alouffi, A., Akinwale, J., Falcone, F. H., Hsieh, M. H.

  2019; 316 (6): F1133–F1140

- **HCMV trimer- and pentamer-specific antibodies synergize for virus neutralization but do not correlate with congenital transmission** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

  Vanarsdall, A. L., Chin, A. L., Liu, J., Jardetzky, T. S., Mudd, J. O., Orloff, S. L., Streblow, D., Mussi-Pinhata, M. M., Yamamoto, A. Y., Duarte, G., Britt, W. J., Johnson, D. C.

  2019; 116 (9): 3728-3733

- **IPSE, a parasite-derived host immunomodulatory protein, is a potential therapeutic for hemorrhagic cystitis.** *American journal of physiology. Renal physiology*

  Zee, R. S., Mbanefo, E. C., Le, L. H., Pennington, L. F., Odegaard, J., Jardetzky, T. S., Alouffi, A., Akinwale, J., Falcone, F. H., Hsieh, M. H.

  2019

- **Ephrin Receptor A4 is a New Kaposi's Sarcoma-Associated Herpesvirus Virus Entry Receptor.** *mBio*

  Chen, J., Zhang, X., Schaller, S., Jardetzky, T. S., Longnecker, R.

  2019; 10 (1)

- **IPSE, a urogenital parasite-derived immunomodulatory protein, ameliorates ifosfamide-induced hemorrhagic cystitis through downregulation of proinflammatory pathways** *SCIENTIFIC REPORTS*

  Mbanefo, E. C., Le, L., Zee, R., Banskota, N., Ishida, K., Pennington, L. F., Odegaard, J. I., Jardetzky, T., Alouffi, A., Falcone, F. H., Hsieh, M. H.

  2019; 9

- **IPSE, a urogenital parasite-derived immunomodulatory protein, ameliorates ifosfamide-induced hemorrhagic cystitis through downregulation of pro-inflammatory pathways.** *Scientific reports*

  Mbanefo, E. C., Le, L., Zee, R., Banskota, N., Ishida, K., Pennington, L. F., Odegaard, J. I., Jardetzky, T. S., Alouffi, A., Falcone, F. H., Hsieh, M. H.

  2019; 9 (1): 1586

- **HCMV trimer- and pentamer-specific antibodies synergize for virus neutralization but do not correlate with congenital transmission.** *Proceedings of the National Academy of Sciences of the United States of America*

  Vanarsdall, A. L., Chin, A. L., Liu, J., Jardetzky, T. S., Mudd, J. O., Orloff, S. L., Streblow, D., Mussi-Pinhata, M. M., Yamamoto, A. Y., Duarte, G., Britt, W. J., Johnson, D. C.

  2019

- **The soluble isoform of human Fc epsilon RI is an endogenous inhibitor of IgE-mediated mast cell responses** *ALLERGY*

  Monino-Romero, S., Erkert, L., Schmidthaler, K., Diesner, S. C., Sallis, B. F., Pennington, L., Jardetzky, T., Oettgen, H. C., Bohle, B., Fiebiger, E., Szepfalusi, Z.

2019; 74 (2): 236–45

- **H-IPSE, A PATHOGEN-SECRETED HOST NUCLEUS-INFILTRATING PROTEIN (INFILTRIN), HAS A LIMITED RANGE OF TARGET CELLS**
  Lamanna, O., Mbanefo, E., Ishida, K., Pennington, L., Jardetzky, T., Falcone, F., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2019: 23

- **Ephrin Receptor A4 is a New Kaposi's Sarcoma-Associated Herpesvirus Virus Entry Receptor** *MBIO*
  Chen, J., Zhang, X., Schaller, S., Jardetzky, T. S., Longnecker, R.
  2019; 10 (1)

- **Driving Immune Responses with Synthetic Proteins - Development of De Novo Designed Immunogens to Elicit Respiratory Syncytial Virus Neutralizing Antibodies**
  Sesterhenn, F., Yang, C., Bonet, J., Galloux, M., Wen, X., Cramer, J., Henrioud, P., Rosset, S., Eleouet, J., Jardetzky, T., Krey, T., Riffault, S., Correia, et al
  WILEY.2018: 49–50

- **The human cytomegalovirus trimer and pentamer promote sequential steps in entry into epithelial and endothelial cells at cell surfaces and endosomes.** *Journal of virology*
  Liu, J., Jardetzky, T. S., Chin, A. L., Johnson, D. C., Vanarsdall, A. L.
  2018

- **Therapeutic exploitation of IPSE, a urogenital parasite-derived host modulatory protein, for chemotherapy-induced hemorrhagic cystitis** *FASEB JOURNAL*
  Mbanefo, E. C., Le, L., Pennington, L. F., Odegaard, J. I., Jardetzky, T. S., Alouffi, A., Falcone, F. H., Hsieh, M. H.
  2018; 32 (8): 4408–19

- **An engineered IgE-Fc variant inhibits basophil degranulation ex vivo**
  Gasser, P., Brigger, D., Zbaren, N., Jardetzky, T., Pennington, L., Eggel, A.
  WILEY.2018: 610

- **Ephrin receptor A2 is a functional entry receptor for Epstein-Barr virus.** *Nature microbiology*
  Chen, J. n., Sathiyamoorthy, K. n., Zhang, X. n., Schaller, S. n., Perez White, B. E., Jardetzky, T. S., Longnecker, R. n.
  2018

- **THE INTERLEUKIN-4 INDUCING PRINCIPLE FROM <it>SCHISTOSOMA MANSONI</it> EGGS (IPSE) EXACERBATES UTI-INDUCED PAIN AND SUPPRESSES ANTI-MICROBIAL PEPTIDE PRODUCTION**
  Mbanefo, E., Pennington, L., Lapira, K., Jardetzky, T., Falcone, F., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2018: 7

- **CD147 Promotes Entry of Pentamer-Expressing Human Cytomegalovirus into Epithelial and Endothelial Cells.** *mBio*
  Vanarsdall, A. L., Pritchard, S. R., Wisner, T. W., Liu, J. n., Jardetzky, T. S., Johnson, D. C.
  2018; 9 (3)

- **Epstein-Barr Virus Fusion with Epithelial Cells Triggered by gB Is Restricted by a gL Glycosylation Site** *JOURNAL OF VIROLOGY*
  Mohl, B. S., Chen, J., Park, S., Jardetzky, T. S., Longnecker, R.
  2017; 91 (23)

- **THERAPEUTIC EXPLOITATION OF IPSE, A UROGENITAL PARASITE-DERIVED HOST MODULATORY PROTEIN, FOR CHEMOTHERAPY-INDUCED HEMORRHAGIC CYSTITIS**
  Mbanefo, E. C., Pennington, L., Jardetzky, T., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2017: 180

- **SCHISTOSOMA HAEMATOBIUM IPSE, A CANDIDATE PRO-ONCOGENIC FACTOR**
  Mbanefo, E., Saltykova, I., Pennington, L., Jardetzky, T., Brindley, P., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2017: 180

- **Inhibition of EBV-mediated membrane fusion by anti-gHgL antibodies.** *Proceedings of the National Academy of Sciences of the United States of America*
  Sathiyamoorthy, K., Jiang, J., Möhl, B. S., Chen, J., Zhou, Z. H., Longnecker, R., Jardetzky, T. S.
  2017

- **The COMPLEXity in herpesvirus entry.** *Current opinion in virology*
  Sathiyamoorthy, K., Chen, J., Longnecker, R., Jardetzky, T. S.

2017; 24: 97-104

- **Structural basis for antibody cross-neutralization of respiratory syncytial virus and human metapneumovirus.** *Nature microbiology*
  Wen, X., Mousa, J. J., Bates, J. T., Lamb, R. A., Crowe, J. E., Jardetzky, T. S.
  2017; 2: 16272-?

- **H-IPSE is a pathogen-secreted host nucleus infiltrating protein (infiltrin) expressed exclusively by the Schistosoma haematobium egg stage.** *Infection and immunity*
  Pennington, L. F., Alouffi, A. n., Mbanefo, E. C., Ray, D. n., Heery, D. M., Jardetzky, T. S., Hsieh, M. H., Falcone, F. H.
  2017

- **Inhibition of EBV-mediated membrane fusion by anti-gHgL antibodies** *Proceedings of the National Academy of Sciences*
  Sathiyamoorthy, K., Jiang, J., Möhl, B. S., Chen, J., Zhou, Z. H., Longnecker, R., Jardetzky, T. S.
  2017

- **Monomeric ephrinB2 binding induces allosteric changes in Nipah virus G that precede its full activation.** *Nature communications*
  Wong, J. J., Young, T. A., Zhang, J. n., Liu, S. n., Leser, G. P., Komives, E. A., Lamb, R. A., Zhou, Z. H., Salafsky, J. n., Jardetzky, T. S.
  2017; 8 (1): 781

- **Editorial overview: Virus structure and functions.** *Current opinion in virology*
  Jardetzky, T. n., Kuhn, R. n., Lamb, R. n.
  2017; 24: ix

- **SCHISTOSOMA HAEMATOBIUM IPSE INDUCES CELLULAR PROLIFERATION, CELL CYCLE ALTERATIONS, ANGIOGENESIS, AND TRANSCRIPTIONAL PROFILES CONSISTENT WITH PRO-CARCINOGENIC EFFECTS**
  Mbanefo, E., Saltykova, I. V., Pennington, L., Jardetzky, T., Ayoglu, B., Utz, P. J., Alouffi, A., Falcone, F. H., Brindley, P. J., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2017: 203

- **INFILTRINS AS A NEW CLASS OF PATHOGEN-SECRETED, HOST NUCLEUS INFILTRATING PROTEINS IN TREMATODES**
  Alouffi, A., Pennington, L. F., Mongan, N., Flynn, R. J., Heery, D. M., Jardetzky, T., Mbanefo, E. C., Hsieh, M. H., Falcone, F. H.
  AMER SOC TROP MED & HYGIENE.2017: 203

- **Structural basis for Epstein-Barr virus host cell tropism mediated by gp42 and gHgL entry glycoproteins** *NATURE COMMUNICATIONS*
  Sathiyamoorthy, K., Hu, Y. X., Mohl, B. S., Chen, J., Longnecker, R., Jardetzky, T. S.
  2016; 7

- **Structural basis for nonneutralizing antibody competition at antigenic site II of the respiratory syncytial virus fusion protein.** *Proceedings of the National Academy of Sciences of the United States of America*
  Mousa, J. J., Sauer, M. F., Sevy, A. M., Finn, J. A., Bates, J. T., Alvarado, G., King, H. G., Loerinc, L. B., Fong, R. H., Doranz, B. J., Correia, B. E., Kalyuzhniy, O., Wen, et al
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- **The Cytoplasmic Tail Domain of Epstein-Barr Virus gH Regulates Membrane Fusion Activity through Altering gH Binding to gp42 and Epithelial Cell Attachment** *MBIO*
  Chen, J., Jardetzky, T. S., Longnecker, R.
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- **Flexibility of the Head-Stalk Linker Domain of Paramyxovirus HN Glycoprotein Is Essential for Triggering Virus Fusion** *JOURNAL OF VIROLOGY*
  Adu-Gyamfi, E., Kim, L. S., Jardetzky, T. S., Lamb, R. A.
  2016; 90 (20): 9172-9181

- **Mutagenesis of Paramyxovirus Hemagglutinin-Neuraminidase Membrane-Proximal Stalk Region Influences Stability, Receptor Binding, and Neuraminidase Activity** *JOURNAL OF VIROLOGY*
  Adu-Gyamfi, E., Kim, L. S., Jardetzky, T. S., Lamb, R. A.
  2016; 90 (17): 7778-7788

- **Immobilization of the N-terminal helix stabilizes prefusion paramyxovirus fusion proteins** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Song, A. S., Poor, T. A., Abriata, L. A., Jardetzky, T. S., Dal Peraro, M., Lamb, R. A.
  2016; 113 (27): E3844-E3851

- **A Chimeric Pneumovirus Fusion Protein Carrying Neutralizing Epitopes of Both MPV and RSV** *PLOS ONE*
  Wen, X., Pickens, J., Mousa, J. J., Leser, G. P., Lamb, R. A., Crowe, J. E., Jardetzky, T. S.
  2016; 11 (5)
- **Structural basis of omalizumab therapy and omalizumab-mediated IgE exchange** *NATURE COMMUNICATIONS*
  Pennington, L. F., Tarchevskaya, S., Brigger, D., Sathiyamoorthy, K., Graham, M. T., Nadeau, K. C., Eggel, A., Jardetzky, T. S.
  2016; 7
- **Structural and Mechanistic Insights into the Tropism of Epstein-Barr Virus** *MOLECULES AND CELLS*
  Moehl, B. S., Chen, J., Sathiyamoorthy, K., Jardetzky, T. S., Longnecker, R.
  2016; 39 (4): 286-291
- **Comparative Mutagenesis of Pseudorabies Virus and Epstein-Barr Virus gH Identifies a Structural Determinant within Domain III of gH Required for Surface Expression and Entry Function** *JOURNAL OF VIROLOGY*
  Moehl, B. S., Schroeter, C., Klupp, B. G., Fuchs, W., Mettenleiter, T. C., Jardetzky, T. S., Longnecker, R.
  2016; 90 (5): 2285-2293
- **Structure and stabilization of the Hendra virus F glycoprotein in its prefusion form** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Wong, J. J., Paterson, R. G., Lamb, R. A., Jardetzky, T. S.
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- **Structure and stabilization of the Hendra virus F glycoprotein in its prefusion form.** *Proceedings of the National Academy of Sciences of the United States of America*
  Wong, J. J., Paterson, R. G., Lamb, R. A., Jardetzky, T. S.
  2016; 113 (4): 1056-61
- **Comparative Mutagenesis of Pseudorabies Virus and Epstein-Barr Virus gH Identifies a Structural Determinant within Domain III of gH Required for Surface Expression and Entry Function.** *Journal of virology*
  Möhl, B. S., Schröter, C., Klupp, B. G., Fuchs, W., Mettenleiter, T. C., Jardetzky, T. S., Longnecker, R.
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- **Timing is everything: Fine-tuned molecular machines orchestrate paramyxovirus entry** *VIROLOGY*
  Bose, S., Jardetzky, T. S., Lamb, R. A.
  2015; 479: 518-531
- **Timing is everything: Fine-tuned molecular machines orchestrate paramyxovirus entry.** *Virology*
  Bose, S., Jardetzky, T. S., Lamb, R. A.
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- **On the stability of parainfluenza virus 5 f proteins.** *Journal of virology*
  Poor, T. A., Song, A. S., Welch, B. D., Kors, C. A., Jardetzky, T. S., Lamb, R. A.
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- **Membrane Anchoring of Epstein-Barr Virus gp42 Inhibits Fusion with B Cells Even with Increased Flexibility Allowed by Engineered Spacers.** *mBio*
  Rowe, C. L., Chen, J., Jardetzky, T. S., Longnecker, R.
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- **Three-dimensional structure of the human class II histocompatibility antigen HLA-DR1** *JOURNAL OF IMMUNOLOGY*
  Brown, J. H., Jardetzky, T. S., Gorga, J. C., Stern, L. J., Urban, R. G., Strominger, J. L., Wiley, D. C.
  2015; 194 (1): 5-11
- **Pillars Article: Three-Dimensional Structure of the Human Class II Histocompatibility Antigen HLA-DR1. Nature. 1993. 364: 33-39.** *Journal of immunology*
  Brown, J. H., Jardetzky, T. S., Gorga, J. C., Stern, L. J., Urban, R. G., Strominger, J. L., Wiley, D. C.
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- **The Conserved Disulfide Bond within Domain II of Epstein-Barr Virus gH Has Divergent Roles in Membrane Fusion with Epithelial Cells and B Cells** *JOURNAL OF VIROLOGY*
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