Stanford



Jeffrey S. Glenn, M.D., Ph.D.

Joseph D. Grant Professor and Professor of Microbiology and Immunology

Medicine - Gastroenterology & Hepatology

CLINICAL OFFICE (PRIMARY)

- **Stanford Gastroenterology**

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Bio

BIO

Dr. Glenn's primary interest is in molecular virology, with a strong emphasis on translating this knowledge into novel antiviral therapies. Current projects aim to better understand the role of prenylation in the life cycles of hepatitis delta virus (HDV) and other viruses--both as a mechanism of intracellular trafficking and trigger of virus assembly, and as a target for a promising antiviral treatment. The function and cell biology of hepatitis and respiratory virus proteins are also being studied, with a focus on identifying key determinants of pathogenesis and designing novel antiviral strategies for hepatitis, influenza, and enteroviruses. Of particular interest are targets in host cells upon which viruses depend, and critical RNA secondary structures in viruses. Other interests include exploitation of hepatic stem cells, development of small animal models, NASH, liver cancer, and engineered human liver tissues.

CLINICAL FOCUS

- Gastroenterology

ACADEMIC APPOINTMENTS

- Professor, Medicine - Gastroenterology & Hepatology
- Professor, Microbiology and Immunology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Faculty Fellow, Sarafan ChEM-H
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, ViRx@Stanford--Stanford Biosecurity and Pandemic Preparedness Initiative, (2021- present)
- Director, Center for Hepatitis and Liver Tissue Engineering, (2006- present)

HONORS AND AWARDS

- Translational Research Award, American Liver Foundation/Amgen/AASLD (1998-2002)
- Regents Scholarship, U.C.S.F. (1984-1993)
- Elected member, American Society for Clinical Investigation (2008)
- Clinical Scientist Award in Translational Research, Burroughs Wellcome Fund (2005-2010)
- Career Award, Burroughs Wellcome Fund (1998-2005)
- Physician Postdoctoral Fellowship Award, Howard Hughes Medical Institute (1995-1998)
- Summa cum laude, U.C. Berkeley (1984)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Division of Gastroenterology and Hepatology (1998) CA
- Board Certification: Gastroenterology, American Board of Internal Medicine (2018)
- Residency: Stanford University Internal Medicine Residency (1995) CA
- Medical Education: University of California at San Francisco School of Medicine (1993) CA
- Ph.D., U.C.S.F. , Biochemistry and Biophysics (1992)
- M.D., U.C.S.F. , Medicine/MSTP (1993)

LINKS

- ViRx@Stanford: https://virx.stanford.edu

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Glenn's primary interest is in molecular virology, with a strong emphasis on translating this knowledge into novel antiviral therapies. Current projects aim to better understand the role of prenylation in the life cycles of hepatitis delta virus (HDV) and other viruses--both as a mechanism of intracellular trafficking and trigger of virus assembly, and as a target for a promising antiviral treatment. The function and cell biology of hepatitis and respiratory virus proteins are also being studied, with a focus on identifying key determinants of pathogenesis and designing novel antiviral strategies for hepatitis, influenza, and enteroviruses. Of particular interest are targets in host cells upon which viruses depend, and critical RNA secondary structures in viruses. Other interests include exploitation of hepatic stem cells, development of small animal models, NASH, liver cancer, and engineered human liver tissues.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Gastroenterology & Hepatology (Fellowship Program)
- Infectious Diseases (Fellowship Program)
- Medicine (Masters Program)
- Microbiology and Immunology (PhD Program)

Publications

PUBLICATIONS

- **Pegylated Interferon Lambda for Covid-19. Reply.** *The New England journal of medicine*
  Reis, G., Mills, E. J., Glenn, J. S.
  2023; 388 (22): 2108

- **Treatment of chronic hepatitis d with peginterferon lambda - the phase 2 LIMT-1 clinical trial.** *Hepatology (Baltimore, Md.)*
  Etzion, O., Hamid, S., Lurie, Y., Gane, E. J., Yardeni, D., Duehren, S., Bader, N., Nevo-Shor, A., Channa, S. M., Cotler, S. J., Mawani, M., Parkash, O., Dahari, et al
  2023

- **Early Treatment with Pegylated Interferon Lambda for Covid-19.** *The New England journal of medicine*
  Reis, G., Moreira Silva, E. A., Medeiros Silva, D. C., Thabane, L., Campos, V. H., Ferreira, T. S., Santos, C. V., Nogueira, A. M., Almeida, A. P., Savassi, L. C., Figueiredo-Neto, A. D., Dias, A. C., Freire Júnior, et al
  2023; 388 (6): 518-528

- **Programmable Antivirals and Just-in-Time Vaccines: Biosecurity Implications of Viral RNA Secondary Structure Targeting.** *Health security*
  Pannu, J., Glenn, J. S.
  2022

- **FUNCTIONAL CURE WITH LONAFARNIB-BASED THERAPY IN CHRONIC HEPATITIS DELTA**
  Yurdaydin, C., Yurdcu, E., Gumussoy, M., Keskin, O., Gencdal, G., Akyildiz, M., Zeybel, M., Idilman, R., Bozdayi, M., Choong, I., Glenn, J.
  WILEY.2022: S297-S298

- **Modeling the Interplay between HDV and HBV in Chronic HDV/HBV Patients** *MATHEMATICS*
  Mhlanga, A., Zakh, R., Churkin, A., Reinharz, V., Glenn, J. S., Etzion, O., Cotler, S. J., Yurdaydin, C., Barash, D., Dahari, H.
  2022; 10 (20)

- **ESTIMATING HEPATITIS DELTA PREVALENCE AMONG HIGH RISK POPULATIONS IN THE UNITED STATES: A SYSTEMATIC REVIEW**
  Wong, R. J., Brosgart, C. L., Wong, S. S., Feld, J. J., Glenn, J., Moraras, K., Hamid, S. S., Ward, J. W., Wedemeyer, H., Yurdaydin, C., Gish, R. G.
  WILEY.2022: S254-S255

- **ESTIMATING THE PREVALENCE OF CHRONIC HEPATITIS B AMONG FOREIGN-BORN PERSONS LIVING IN CANADA BY COUNTRY OF ORIGIN**
  Wong, R. J., Brosgart, C. L., Wong, S. S., Feld, J. J., Hirode, G., Glenn, J., Hamid, S. S., Moraras, K., Ward, J. W., Wedemeyer, H., Yurdaydin, C., Gish, R. G.
  WILEY.2022: S261-S262

- **Programmable antivirals to target conserved essential shapes in pandemic viral genomes** *NATURE MEDICINE*
  Glenn, J. S.
  2022

- **Programmable antivirals targeting critical conserved viral RNA secondary structures from influenza A virus and SARS-CoV-2.** *Nature medicine*
  Hagey, R. J., Elazar, M., Pham, E. A., Tian, S., Ben-Avi, L., Bernardin-Souibgui, C., Yee, M. F., Moreira, F. R., Rabinovitch, M. V., Meganck, R. M., Fram, B., Beck, A., Gibson, et al
  2022

- **Lonafarnib combination with peginterferon Lambda diminished triphasic HDV kinetic pattrn seen under Lambda monotherapy: the LIFT HDV study**
  Duehren, S., Koh, C., Hercun, J., Rahman, F., Surana, P., Vittal, A., Lai, W., Etzion, O., Cotler, S., Glenn, J., Dahari, H., Heller, T.
  ELSEVIER.2022: S70-S71

- **Mathematical modeling of HDV RNA kinetics suggests high peginterferon Lambda efficacy in blocking viral production: insights from the LIMT-1 study**
  Cardozo-Ojeda, E., Duehren, S., Hamid, S., Lurie, Y., Gane, E. J., Nevo-Shor, A., Yardeni, D., Cotler, S., Choong, I., Glenn, J., Dahari, H., Etzion, O.
  ELSEVIER.2022: S859

- **Estimating the prevalence of hepatitis delta infection among foreign-born adults with chronic hepatitis B in the United States**
  Wong, R., Brosgart, C., Wong, S., Feld, J., Glenn, J., Hamid, S., Moraras, K., Ward, J., Wedemeyer, H., Yurdaydin, C., Gish, R. G.
  ELSEVIER.2022: S274

- **First-in-human experience using RBS2418, an oral ENPP1 inhibitor within an expanded access protocol in combination with pembrolizumab in a patient with metastatic adrenal cancer.**
  Csiki, I., Dong, A., Tuan, B. Y., John, E., O'Toole, L., Seppa, J., Huang, N., Hawley, R. C., Exon, C., Glenn, J. S., Klumpp, K.
  LIPPINCOTT WILLIAMS & WILKINS.2022

- **Combination of Novel Therapies for HDV.** *Viruses*
  Elazar, M., Glenn, J. S.
  2022; 14 (2)

- **Efficacy and Safety of a Botanical Formula Fuzheng Huayu for Hepatic Fibrosis in Patients with CHC: Results of a Phase 2 Clinical Trial.** *Evidence-based complementary and alternative medicine : eCAM*
  Hassanein, T., Tai, D., Liu, C., Box, T. D., Tong, M. J., Rossaro, L., Pozza, R., Glenn, J. S., Cheung, R., Hemaidan, A., He, Y., Behling, C., Hu, et al
  2022; 2022: 4494099

- **A Phase ii dose finding study of lonafarnib and ritonavir with or without interferon alpha for chronic delta hepatitis.** *Hepatology (Baltimore, Md.)*
  Yurdaydin, C., Keskin, O., Yurdcu, E., Caliskan, A., Onem, S., Karakaya, F., Kalkan, C., Karatayli, E., Karatayli, S., Choong, I., Apelian, D., Koh, C., Heller, et al
  2021

- **Hepatitis Delta Virus Testing and Research.** *Gastroenterology & hepatology*
  Glenn, J. S.
  2021; 17 (10): 482-484

- **HEPATITIS D VIRUS INFECTION IN UNITED STATES WOMEN WITH OR AT RISK FOR HIV**
  Argirion, I., Mahale, P., Kuniholm, M. H., Pfeiffer, R., Koshiol, J., Glenn, J., O'Brien, T. R.
  WILEY.2021: 422A

- **Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome.** *Nature structural & molecular biology*
  Zhang, K., Zheludev, I. N., Hagey, R. J., Haslecker, R., Hou, Y. J., Kretsch, R., Pintilie, G. D., Rangan, R., Kladwang, W., Li, S., Wu, M. T., Pham, E. A., Bernardin-Souibgui, et al
  2021

- **Addiction to Golgi-resident PI4P synthesis in chromosome 1q21.3-amplified lung adenocarcinoma cells.** *Proceedings of the National Academy of Sciences of the United States of America*
  Shi, L., Tan, X., Liu, X., Yu, J., Bota-Rabassedas, N., Niu, Y., Luo, J., Xi, Y., Zong, C., Creighton, C. J., Glenn, J. S., Wang, J., Kurie, et al
  2021; 118 (25)

- **Publisher Correction: A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures.** *Nature*
  Dinnon, K. H., Leist, S. R., Schäfer, A. n., Edwards, C. E., Martinez, D. R., Montgomery, S. A., West, A. n., Yount, B. L., Hou, Y. J., Adams, L. E., Gully, K. L., Brown, A. J., Huang, et al
  2021

- **Durable virological response and functional cure of chronic hepatitis D after long-term peginterferon therapy.** *Alimentary pharmacology & therapeutics*
  Hercun, J., Kim, G. E., Da, B. L., Rotman, Y., Kleiner, D. E., Chang, R., Glenn, J. S., Hoofnagle, J. H., Koh, C., Heller, T.
  2021

- **Signatures of immune dysfunction in HIV and HCV infection share features with chronic inflammation in aging and persist after viral reduction or elimination.** *Proceedings of the National Academy of Sciences of the United States of America*
  Lopez Angel, C. J., Pham, E. A., Du, H. n., Vallania, F. n., Fram, B. J., Perez, K. n., Nguyen, T. n., Rosenberg-Hasson, Y. n., Ahmed, A. n., Dekker, C. L., Grant, P. M., Khatri, P. n., Maecker, et al
  2021; 118 (14)

- **Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial.** *Nature communications*
  Jagannathan, P. n., Andrews, J. R., Bonilla, H. n., Hedlin, H. n., Jacobson, K. B., Balasubramanian, V. n., Purington, N. n., Kamble, S. n., de Vries, C. R., Quintero, O. n., Feng, K. n., Ley, C. n., Winslow, et al
  2021; 12 (1): 1967

- **Peginterferon lambda for the treatment of outpatients with COVID-19: a phase 2, placebo-controlled randomised trial.** *The Lancet. Respiratory medicine*
  Feld, J. J., Kandel, C. n., Biondi, M. J., Kozak, R. A., Zahoor, M. A., Lemieux, C. n., Borgia, S. M., Boggild, A. K., Powis, J. n., McCready, J. n., Tan, D. H., Chan, T. n., Coburn, et al
  2021

- **Progenitor identification and SARS-CoV-2 infection in human distal lung organoids.** *Nature*
  Salahudeen, A. A., Choi, S. S., Rustagi, A., Zhu, J., van Unen, V., de la O, S. M., Flynn, R. A., Margalef-Catala, M., Santos, A. J., Ju, J., Batish, A., Usui, T., Zheng, et al
  2020

- **High Prevalence of Chronic Viral Hepatitis and Liver Fibrosis Among Mongols in Southern California.** *Digestive diseases and sciences*
  Fong, T., Lee, B. T., Chang, M., Nasanbayar, K., Tsogtoo, E., Boldbaatar, D., Dashdorj, E. D., Clifford, N. E., Dashdorj, A. N., Bang, B., Chida, T., Lim, C., Sugiyama, et al
  2020

- **A Phase 2 Study of Peginterferon Lambda, Lonafarnib and Ritonavir for 24 Weeks: End-of-Treatment Results from the LIFT HDV Study**
  Koh, C., Hercun, J., Rahman, F., Huang, A., Da, B., Surana, P., Kapuria, D., Rotman, Y., Vittal, A., Gilman, C., Ben Yakov, G., Lai, W., Dahari, et al
  ELSEVIER.2020: S130

- **RNA genome conservation and secondary structure in SARS-CoV-2 and SARS-related viruses: a first look.** *RNA (New York, N.Y.)*
  Rangan, R., Zheludev, I. N., Das, R.
  2020

- **COVID-19 and emerging viral infections: The case for interferon lambda.** *The Journal of experimental medicine*
  Prokunina-Olsson, L., Alphonse, N., Dickenson, R. E., Durbin, J. E., Glenn, J. S., Hartmann, R., Kotenko, S. V., Lazear, H. M., O'Brien, T. R., Odendall, C., Onabajo, O. O., Piontkivska, H., Santer, et al
  2020; 217 (5)

- **Extracellular cGAMP is a cancer-cell-produced immunotransmitter involved in radiation-induced anticancer immunity** *NATURE CANCER*
  Carozza, J. A., Bohnert, V., Nguyen, K. C., Skariah, G., Shaw, K. E., Brown, J. A., Rafat, M., von Eyben, R., Graves, E. E., Glenn, J. S., Smith, M., Li, L.
  2020; 1 (2): 184-+

- **Extracellular cGAMP is a cancer cell-produced immunotransmitter involved in radiation-induced anti-cancer immunity.** *Nature cancer*
  Carozza, J. A., Böhnert, V., Nguyen, K. C., Skariah, G., Shaw, K. E., Brown, J. A., Rafat, M., von Eyben, R., Graves, E. E., Glenn, J. S., Smith, M., Li, L.
  2020; 1 (2): 184-196

- **PI4KIIIβ is a therapeutic target in chromosome 1q-amplified lung adenocarcinoma.** *Science translational medicine*
  Tan, X. n., Banerjee, P. n., Pham, E. A., Rutaganira, F. U., Basu, K. n., Bota-Rabassedas, N. n., Guo, H. F., Grzeskowiak, C. L., Liu, X. n., Yu, J. n., Shi, L. n., Peng, D. H., Rodriguez, et al
  2020; 12 (527)

- **A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures.** *Nature*
  Dinnon, K. H., Leist, S. R., Schäfer, A. n., Edwards, C. E., Martinez, D. R., Montgomery, S. A., West, A. n., Yount, B. L., Hou, Y. J., Adams, L. E., Gully, K. L., Brown, A. J., Huang, et al
  2020

- **Structure of the neurotensin receptor 1 in complex with β-arrestin 1.** *Nature*
  Huang, W. n., Masureel, M. n., Qianhui, Q. n., Janetzko, J. n., Inoue, A. n., Kato, H. E., Robertson, M. J., Nguyen, K. C., Glenn, J. S., Skiniotis, G. n., Kobilka, B. K.
  2020

- **Materials science approaches in the development of broad-spectrum antiviral therapies.** *Nature materials*
  Cho, N. J., Glenn, J. S.
  2020

- **Upregulation of CD47 Is a Host Checkpoint Response to Pathogen Recognition.** *mBio*
  Tal, M. C., Torrez Dulgeroff, L. B., Myers, L. n., Cham, L. B., Mayer-Barber, K. D., Bohrer, A. C., Castro, E. n., Yiu, Y. Y., Lopez Angel, C. n., Pham, E. n., Carmody, A. B., Messer, R. J., Gars, et al
  2020; 11 (3)

- **CHARACTERIZATION OF HDV, HBsAg AND ALT KINETICS UNDER PEGINTERFERON-LAMBDA MONOTHERAPY: THE PHASE 2 LIMT STUDY**
  Etzion, O., Duehren, S., Hamid, S. S., Lurie, Y., Gane, E. J., Yardeni, D., Nevo-Shor, A., Channa, S., Parkash, O., Uprichard, S. L., Gish, R. G., Cotler, S. J., Glenn, et al

WILEY.2019: 1496A–1497A

- **A PHASE 2 STUDY OF LONAFARNIB, RITONAVIR AND PEGINTERFERON LAMBDA FOR 24 WEEKS: INTERIM END-OF-TREATMENT RESULTS FROM THE LIFT HDV STUDY.**
  Koh, C., Da, B. L., Surana, P., Huang, A., Kapuria, D., Rotman, Y., Vittal, A., Gilman, C., Ben-Yakov, G., Lai, C., Kleiner, D., Rahman, F., Hercun, et al
  WILEY.2019: 1483A

- **2 ' 3 '-cGAMP is an immunotransmitter produced by cancer cells and regulated by ENPP1**
  Carozza, J., Bohnert, V., Shaw, K., Khanh Nyugen, Skariah, G., Brown, J., Rafat, M., von Eyben, R., Graves, E., Glenn, J., Smith, M., Li, L.
  AMER CHEMICAL SOC.2019

- **HBV/HDV Coinfection: A Challenge for Therapeutics.** *Clinics in liver disease*
  Koh, C., Da, B. L., Glenn, J. S.
  2019; 23 (3): 557–72

- **Hepatitis D virus infection, cirrhosis and hepatocellular carcinoma in The Gambia** *JOURNAL OF VIRAL HEPATITIS*
  Mahale, P., Aka, P., Chen, X., Pfeiffer, R. M., Liu, P., Groover, S., Mendy, M., Njie, R., Goedert, J. J., Kirk, G. D., Glenn, J. S., O'Brien, T. R.
  2019; 26 (6): 738–49

- **Treating chronic hepatitis delta: The need for surrogate markers of treatment efficacy** *JOURNAL OF HEPATOLOGY*
  Yurdaydin, C., Abbas, Z., Buti, M., Cornberg, M., Esteban, R., Etzion, O., Ganes, E. J., Gish, R. G., Glenn, J. S., Hamids, S., Heller, T., Koh, C., Lampertico, et al
  2019; 70 (5): 1008–15

- **Treating chronic hepatitis delta: The need for surrogate markers of treatment efficacy.** *Journal of hepatology*
  Yurdaydin, C., Abbas, Z., Buti, M., Cornberg, M., Esteban, R., Etzion, O., Gane, E. J., Gish, R. G., Glenn, J. S., Hamid, S., Heller, T., Koh, C., Lampertico, et al
  2019; 70 (5): 1008–15

- **End of study results from LIMT HDV study: 36% durable virologic response at 24 weeks post-treatment with pegylated interferon lambda monotherapy in patients with chronic hepatitis delta virus infection**
  Etzion, O., Hamid, S., Lurie, Y., Gane, E., Bader, N., Yardeni, D., Nevo-Shor, A., Channa, S. M., Mawani, M., Parkash, O., Yang, K., Longo, D., Gish, et al
  ELSEVIER SCIENCE BV.2019: E32

- **The balance of type 1 and type 2 immune responses in the contexts of hepatitis B infection and hepatitis D infection** *JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY*
  Townsend, E. C., Zhang, G. Y., Ali, R., Firke, M., Moon, M., Han, M., Fram, B., Glenn, J. S., Kleiner, D. E., Koh, C., Heller, T.
  2019; 34 (4): 764–75

- **Early Multiphasic HBV Infection Initiation Kinetics Is Not Clone-Specific and Is Not Affected by Hepatitis D Virus (HDV) Infection** *VIRUSES-BASEL*
  Tsuge, M., Uchida, T., Walsh, K., Ishida, Y., Tateno, C., Kumar, U., Glenn, J. S., Koh, C., Heller, T., Uprichard, S. L., Dahari, H., Chayama, K.
  2019; 11 (3)

- **Early Multiphasic HBV Infection Initiation Kinetics Is Not Clone-Specific and Is Not Affected by Hepatitis D Virus (HDV) Infection.** *Viruses*
  Tsuge, M., Uchida, T., Walsh, K., Ishida, Y., Tateno, C., Kumar, U., Glenn, J. S., Koh, C., Heller, T., Uprichard, S. L., Dahari, H., Chayama, K.
  2019; 11 (3)

- **Changing Trends in Etiology-Based and Ethnicity-Based Annual Mortality Rates of Cirrhosis and Hepatocellular Carcinoma in the United States** *HEPATOLOGY*
  Kim, D., Li, A. A., Perumpail, B. J., Gadiparthi, C., Kim, W., Cholankeril, G., Glenn, J. S., Harrison, S. A., Younossi, Z. M., Ahmed, A.
  2019; 69 (3): 1064–74

- **A functional subset of CD8(+) T cells during chronic exhaustion is defined by SIRP alpha expression** *NATURE COMMUNICATIONS*
  Myers, L. M., Tal, M., Dulgeroff, L., Carmody, A. B., Messer, R. J., Gulati, G., Yiu, Y., Staron, M. M., Angel, C., Sinha, R., Markovic, M., Pham, E. A., Fram, et al
  2019; 10

- **A functional subset of CD8+ T cells during chronic exhaustion is defined by SIRPalpha expression.** *Nature communications*
  Myers, L. M., Tal, M. C., Torrez Dulgeroff, L. B., Carmody, A. B., Messer, R. J., Gulati, G., Yiu, Y. Y., Staron, M. M., Angel, C. L., Sinha, R., Markovic, M., Pham, E. A., Fram, et al

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- **The balance of type 1 and type 2 immune responses in the contexts of hepatitis B infection and hepatitis D infection.** *Journal of gastroenterology and hepatology*
  Townsend, E. C., Zhang, G. Y., Ali, R., Firke, M., Moon, M. S., Han, M. A., Fram, B., Glenn, J. S., Kleiner, D. E., Koh, C., Heller, T.
  2019
- **Hepatitis D virus infection, cirrhosis, and hepatocellular carcinoma in The Gambia.** *Journal of viral hepatitis*
  Mahale, P., Aka, P., Chen, X., Pfeiffer, R. M., Liu, P., Groover, S., Mendy, M., Njie, R., Goedert, J. J., Kirk, G. D., Glenn, J. S., O'Brien, T. R.
  2019
- **Trends in Mortality From Extrahepatic Complications in Patients With Chronic Liver Disease, From 2007 Through 2017.** *Gastroenterology*
  Kim, D. n., Adejumo, A. C., Yoo, E. R., Iqbal, U. n., Li, A. A., Pham, E. A., Cholankeril, G. n., Glenn, J. S., Ahmed, A. n.
  2019
- **Fuzhenghuayu Decoction ameliorates hepatic fibrosis by attenuating experimental sinusoidal capillarization and liver angiogenesis.** *Scientific reports*
  Liu, H. L., Lv, J. n., Zhao, Z. M., Xiong, A. M., Tan, Y. n., Glenn, J. S., Tao, Y. Y., Weng, H. L., Liu, C. H.
  2019; 9 (1): 18719
- **Pathogenesis of and New Therapies for Hepatitis D** *GASTROENTEROLOGY*
  Koh, C., Heller, T., Glenn, J. S.
  2019; 156 (2): 461-+
- **Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold** *BIOMATERIALS*
  Ng, S., Saeb-Parsy, K., Blackford, S. J. I., Segal, J. M., Serra, M., Horcas-Lopez, M., No, D., Mastoridis, S., Jassem, W., Frank, C. W., Cho, N., Nakauchi, H., Glenn, et al
  2018; 182: 299–311
- **Pathogenesis of and New Therapies for Hepatitis D.** *Gastroenterology*
  Koh, C., Heller, T., Glenn, J. S.
  2018
- **A new dual-targeting real-time RT-PCR assay for hepatitis D virus RNA detection** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*
  Wang, Y., Glenn, J. S., Winters, M. A., Shen, L., Choong, I., Shi, Y., Bi, S., Ma, L., Zeng, H., Zhang, F.
  2018; 92 (2): 112–17
- **Changing Trends in Etiology-Based Annual Mortality From Chronic Liver Disease, From 2007 Through 2016** *GASTROENTEROLOGY*
  Kim, D., Li, A. A., Gadiparthi, C., Khan, M., Cholankeril, G., Glenn, J. S., Ahmed, A.
  2018; 155 (4): 1154-+
- **A Challenging Case of Triple Hepatitis Virus Infection: An Accurate Diagnostic Test for Hepatitis D Virus Is Urgently Needed**
  Choudhry, S. A., Reyes, K., Ishtiaq, R., Aslam, A., Glenn, J. S., Lau, D. T. Y.
  NATURE PUBLISHING GROUP.2018: S1245
- **Impact of Drug Overdose Deaths on Solid Organ Transplantation in the United States** *JOURNAL OF GENERAL INTERNAL MEDICINE*
  Cholankeril, G., Li, A. A., Cholankeril, R., Toll, A. E., Glenn, J. S., Ahmed, A.
  2018; 33 (9): 1423–25
- **Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold.** *Biomaterials*
  Ng, S. S., Saeb-Parsy, K., Blackford, S. J., Segal, J. M., Serra, M. P., Horcas-Lopez, M., No, D. Y., Mastoridis, S., Jassem, W., Frank, C. W., Cho, N. J., Nakauchi, H., Glenn, et al
  2018; 182: 299–311
- **Changing Trends in Etiology- and Ethnicity-Based Annual Mortality Rates of Cirrhosis and Hepatocellular Carcinoma in the United States.** *Hepatology (Baltimore, Md.)*
  Kim, D., Li, A. A., Perumpail, B. J., Gadiparthi, C., Kim, W., Cholankeril, G., Glenn, J. S., Harrison, S. A., Younossi, Z. M., Ahmed, A.
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- HDV-Specific Targets - AASLD/EASL HBV Treatment Endpoints Workshop (9/2016)
- Management of Hepatitis B and D--Novel Therapeutic Options: Prenylation Inhibitors for Treating Delta Hepatitis. - The 8th Annual Meeting of Asia-Pacific Alliance of Liver Diseases (9/2016)
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- Translating Molecular Virology into Novel Antiviral Strategies - Israel Association for the Study of Liver Disease Annual Meeting (6/2016)
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- Translating Molecular Virology into Novel Antiviral Strategies - Nanyang Technological University (4/2016)
- Targeting Prenylation to Inhibit Hepatitis Delta Virus Infections. - The International Symposium on Chemical Biology (1/2016)
- Translating Molecular Virology into Novel Antiviral Strategies - UC San Francisco (1/2016)
- Hepatitis Delta Virus (HDV): The Next Frontier in Viral Hepatitis - CME, AASLD (11/2015)
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- Prenylation-Inhibition Based Anti-HDV Therapy - Viral Hepatitis Grand Rounds (12/2014)
- Rationale for Prenylation-Inhibition Based Anti-HDV Therapy - Hepatitis Delta International Network AASLD (11/2014)
- Translating Molecular Virology into Novel Therapies for Hepatitis and New Approaches to Drug Development - Ankara University (5/2014)
- Taking Down Hepatitis C - American Society for Clinical Pharmacology and Therapeutics Annual Meeting (3/2014)
- Translating Molecular Virology into Novel Antiviral Therapies - “From Genes to Drugs: Translating Basic Mechanisms in Digestive Diseases” Symposium, Digestive Disease Week (5/2013)
- Translating Molecular Virology into Novel Therapies for Hepatitis - Inauguration Symposium of Ajou Translational Research Institute (5/2013)
- Interferon and New Treatments - AASLD Hepatitis B SIG Program on Delta Hepatitis (11/2012)
- Artificial Liver Platform for Next-Generation Drug Discovery and Development--Leveraging Engineered Human Liver Issues and Humanized Mice - Nanyang Technological University (10/2012)
- NS4B and PI-4III Kinase Inhibitors - S2E-HCV Workshop, Emory University (9/2012)
- Translating Molecular Virology into Novel Therapies for Hepatitis - Englert Lecture, Medical Grand Rounds (6/2012)
- Inhibitors of Other Viral Functions - AASLD Hepatitis Single Topic Conference, HCVDirect Antiviral Agents (DAA) (3/2012)
- Through Mice to Man: A New Potential Therapy for Hepatitis D; A New Model for Hepatitis C Virus and Early Drug Development; Human Liver Tissue Engineering and Pathway to in Vivo Assessment in Mice - 7th Annual SALAS Conference (12/2011)
- Translating Molecular Virology into Novel Therapies for Hepatitis - Nanyang Technological University (12/2011)
- Translating Molecular Virology into Novel Therapies for Hepatitis - The 6th International Workshop on Clinical Pharmacology of Hepatitis Therapy (6/2011)
- Translating Molecular Virology into Novel Antiviral Therapies - 45th Joint Working Conference on Immunology and Viral Diseases, US-Japan Cooperative Medical Science Program (6/2011)
- Translating Molecular Virology into Novel Antiviral Strategies - GI Grand Rounds (5/2011)
- Translating Molecular Virology into Novel Antiviral Therapies for Hepatitis - The 12th International HIV Pharmacokinetic Workshop (4/2011)
- Hepatitis D Virus: the Virus, Disease and Therapy - The AASLD Postgraduate course, 2010 AASLD Annual Meeting (10/2010)
- Life Cycle and Potential Therapeutic Targets - The EASL Monothematic Conference on Delta Hepatitis (9/2010)
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- Viral Pathogenesis and Underpinnings of HCV Treatment - The Infectious Diseases Society of America 47th Annual Meeting (10/2009)
- New Targets within NS4B - 22nd International Conference on Antiviral Research (5/2009)
- Small Molecule Approaches to NS4B and Other Novel Non-Structural Protein Target - Cambridge Health Tech Institute HCV Drug Discovery Conference (4/2009)
- High Throughput Screening for Anti-HCV Activity - The 13th International Symposium on Viral Hepatitis and Liver Disease (3/2009)
- Co-infections with HBV/HDV - Hepatitis B Foundation's 14th Annual Princeton Workshop (11/2008)
- Translating Hepatitis C Virus (HCV) Molecular Virology into Novel Antiviral Strategies (7/2007)
- Molecular Virology of The Hepatitis C Virus: Implication for Novel Therapies - 5th Annual Clinical Care Options for Hepatitis Symposium (7/2007)
- HCV Life Cycle and Novel Antiviral Targets - The Virology and Treatment of Hepatitis C Symposium (6/2007)
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- Translating Molecular Virology into Novel Antiviral Strategies - Department of Medicine Grand Rounds (10/2006)
- Novel Antiviral Targets in Hepatitis C Virus - Division of Gastroenterology and Liver Center (3/2006)
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- Novel Therapies for HCV Based on Lessons from Virology - 2nd Joint Meeting of the Japanese Society of Gastroenterology and the American Gastroenterological Association (4/2005)
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- Replication of Hepatitis D and Novel Targets for Antiviral Therapy - American Association for the Study of Liver Diseases Single Topic Conference (3/2004)
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- Translating Molecular Virology into Novel Antiviral Therapies. - UCSF Liver Center (2/2003)
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- Mechanism of NS5A Membrane Association and Role in RNA Replication - 8th International Symposium on Hepatitis C Virus & Related Viruses (9/2001)
- Prospects of Prenylation Inhibition-Based Anti-HDV Therapy - The International Symposium on Viral Hepatitis and Liver Disease (4/2000)
- A prenylation inhibitor prevents HDV assembly - The Molecular Biology of Hepatitis B Viruses 1999 Meeting (8/1999)
- Hepatitis Delta Virus: Molecular Biology, Assembly, and Implications for Antiviral Therapies - Liver Center, Hadassah Medical School (5/1999)
- Prenylation Inhibition: Prospects for A Novel Approach to Anti-Hepatitis Delta Virus Therapy - Division of Gastroenterology Grand Round (9/1998)
- Prenylation inhibitors as a novel antiviral therapy - 8th Annual Stanford/UCSF Research Conference Program (11/1997)
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- Hepatitis Delta Virus--Replication, Prenylation, and Antiviral Therapies - Chiron Corporation (10/1993)
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