

# Stanford

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## Takuya Seike

Postdoctoral Scholar, Chemical and Systems Biology

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#### HONORS AND AWARDS

- Young Investigator Award, JDDW (2020)
- Poster Award, IBD and Liver (2018)
- Young Investigator Award, APASL (2018)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Kanazawa University (2021)
- Doctor of Medicine, Kanazawa University (2012)
- Ph.D., Kanazawa University Graduate School of Medicine (2021)
- M.D., Kanazawa University , Medical School (2012)

#### STANFORD ADVISORS

- Daria Mochly-Rosen, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Impact of common ALDH2 inactivating mutation and alcohol consumption on Alzheimer's disease.** *Frontiers in aging neuroscience*  
Seike, T., Chen, C. H., Mochly-Rosen, D.  
2023; 15: 1223977
- **Hydroxynonenal Causes Hepatocyte Death by Disrupting Lysosomal Integrity in Nonalcoholic Steatohepatitis** *CELLULAR AND MOLECULAR GASTROENTEROLOGY AND HEPATOLOGY*  
Seike, T., Boontem, P., Yanagi, M., Li, S., Kido, H., Yamamiya, D., Nakagawa, H., Okada, H., Yamashita, T., Harada, K., Kikuchi, M., Shiraishi, Y., Ozaki, et al  
2022; 14 (4): 925-944
- **Fatty acid-driven modifications in T-cell profiles in non-alcoholic fatty liver disease patients** *JOURNAL OF GASTROENTEROLOGY*  
Seike, T., Mizukoshi, E., Yamada, K., Okada, H., Kitahara, M., Yamashita, T., Arai, K., Terashima, T., Iida, N., Fushimi, K., Yamashita, T., Sakai, Y., Honda, et al  
2020; 55 (7): 701-711
- **Implication of the cooking oil-peroxidation product "hydroxynonenal" for Alzheimer's disease.** *Frontiers in aging neuroscience*  
Yamashima, T., Seike, T., Mochly-Rosen, D., Chen, C. H., Kikuchi, M., Mizukoshi, E.  
2023; 15: 1211141
- **Vegetable Oil-Peroxidation Product 'Hydroxynonenal' Causes Hepatocyte Injury and Steatosis via Hsp70.1 and BHMT Disorders in the Monkey Liver** *NUTRIENTS*  
Yamashima, T., Mori, Y., Seike, T., Ahmed, S., Boontem, P., Li, S., Oikawa, S., Kobayashi, H., Yamashita, T., Kikuchi, M., Kaneko, S., Mizukoshi, E.  
2023; 15 (8)
- **An Atypical Complication of Chronic Pancreatitis** *GASTROENTEROLOGY*  
Fuchizaki, U., Nagai, K., Seike, T.  
2023; 164 (4): E1-E3

- **Hsp70.1 carbonylation induces lysosomal cell death for lifestyle-related diseases** *FRONTIERS IN MOLECULAR BIOSCIENCES*  
Yamashima, T., Seike, T., Oikawa, S., Kobayashi, H., Kido, H., Yanagi, M., Yamamiya, D., Li, S., Boontem, P., Mizukoshi, E.  
2023; 9: 1063632
- **Unusual Large Nodules in the Colon** *GASTROENTEROLOGY*  
Fuchizaki, U., Nagai, K., Seike, T.  
2023; 164 (1): E10-E11
- **CYTOTOXIC MECHANISM OF HYDROXYNONENAL VIA CALPAIN ACTIVATION IN THE PATHOGENESIS OF NON-ALCOHOLIC STEATOHEPATITIS.**  
Seike, T., Boontem, P., Yanagi, M., Li, S., Kido, H., Daisuke, Y., Yamashima, T., Mizukoshi, E.  
WILEY.2022: S823-S824
- **Menstrual toxic shock syndrome** *CANADIAN MEDICAL ASSOCIATION JOURNAL*  
Seike, T., Kanaya, T., Oishi, N.  
2022; 194 (26): E936-E937
- **Menstrual toxic shock syndrome** *CANADIAN MEDICAL ASSOCIATION JOURNAL*  
Seike, T., Kanaya, T., Oishi, N.  
2022; 194 (15): E555
- **A Rare Case of Ileocecal Intussusception in an Adult** *GASTROENTEROLOGY*  
Fuchizaki, U., Seike, T.  
2022; 162 (3): E4-E5
- **Gastric Hyperplastic Polyp with Helicobacter suis-infected Gastritis** *INTERNAL MEDICINE*  
Seike, T., Murayama, S. Y., Nakamura, M., Kobayashi, M.  
2022; 61 (16): 2539-2541
- **ELUCIDATION OF THE EFFECT OF HYDROXYNONENAL ON THE PATHOGENESIS OF NASH**  
Yanagi, M., Seike, T., Kido, H., Daisuke, Y., Mizukoshi, E., Kaneko, S.  
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- **HYDROXYNONENAL CAUSES HEPATOCYTE DEATH BY LYSOSOMAL DISINTEGRITY IN NAFLD.**  
Seike, T., Yanagi, M., Kido, H., Daisuke, Y., Mizukoshi, E., Kaneko, S.  
WILEY.2021: 1071A
- **Small bowel obstruction caused by intrauterine device infection** *CLINICAL JOURNAL OF GASTROENTEROLOGY*  
Seike, T., Kanaya, T., Suda, T., Oishi, N.  
2021; 14 (5): 1419-1425
- **Conservative treatment of hepatic portal venous gas resulting from non-occlusive mesenteric ischemia: a case report** *CLINICAL JOURNAL OF GASTROENTEROLOGY*  
Seike, T., Suda, T., Oishi, N.  
2021; 14 (5): 1404-1410
- **T-CELL PROFILES MODIFIED BY FATTY ACIDS WERE ASSOCIATED WITH LIVER FIBROSIS IN NON-ALCOHOLIC FATTY LIVER DISEASE PATIENTS.**  
Seike, T., Mizukoshi, E., Kaneko, S.  
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- **Diagnosis of biliary varices using digital cholangioscopy** *ENDOSCOPY INTERNATIONAL OPEN*  
Suda, T., Omizo, T., Yoshida, R., Seike, T., Oishi, N., Matsushita, E.  
2020; 08 (10): E1437-E1438
- **A Case of Anaphylaxis with Mild Abdominal Pain Due to Gastroallergic Anisakiasis** *AMERICAN JOURNAL OF MEDICINE*  
Seike, T., Kobayashi, M., Suda, T., Oishi, N.  
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- **The S-O clip closure method: a novel method for closing large mucosal defects** *ENDOSCOPY INTERNATIONAL OPEN*

- Suda, T., Omizo, T., Seike, T., Oishi, N.  
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- **Successful closure of a colon perforation via the over-the-scope-clip system after accidental ingestion of a fish bone** *ENDOSCOPY*  
Suda, T., Soga, S., Oishi, N., Seike, T., Hirose, K.  
2020; 52 (4): E126-E127
  - **The Serum Mac-2-binding Protein Glycosylation Isomer Dynamics in Acute Liver Injury** *INTERNAL MEDICINE*  
Seike, T., Komura, T., Shimizu, Y., Omura, H., Kumai, T., Kagaya, T., Ohta, H., Kawashima, A., Harada, K., Kaneko, S., Unoura, M.  
2020; 59 (13): 1581-1588
  - **A case of small bowel adenocarcinoma that caused intestinal obstruction after administration of patency capsule** *CLINICAL JOURNAL OF GASTROENTEROLOGY*  
Seike, T., Yamato, M., Suda, T., Soga, S., Kobayashi, M., Hirose, K., Oishi, N.  
2020; 13 (4): 522-526
  - **EFFECTS OF FATTY ACID METABOLISM ON HOST IMMUNE RESPONSE IN NON-ALCOHOLIC FATTY LIVER DISEASE PATIENTS**  
Seike, T., Mizukoshi, E., Yamada, K., Kitahara, M., Yamashita, T., Arai, K., Terashima, T., Iida, N., Fushimi, K., Yamashita, T., Sakai, Y., Honda, M., Kaneko, et al  
WILEY.2019: 1322A
  - **Serum C16:1n7/C16:0 ratio as a diagnostic marker for non-alcoholic steatohepatitis** *JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY*  
Yamada, K., Mizukoshi, E., Seike, T., Horii, R., Terashima, T., Iida, N., Kitahara, M., Sunagozaka, H., Arai, K., Yamashita, T., Honda, M., Takamura, T., Harada, et al  
2019; 34 (10): 1829-1835
  - **A case of chronic pancreatitis exacerbation associated with pancreatic arteriovenous malformation: a case report and literature review** *CLINICAL JOURNAL OF GASTROENTEROLOGY*  
Seike, T., Komura, T., Shimizu, Y., Omura, H., Kumai, T., Kagaya, T., Ohta, H., Kawashima, A., Harada, K., Kaneko, S., Unoura, M.  
2019; 12 (2): 135-141
  - **Characteristics of Immune Response to Tumor-Associated Antigens and Immune Cell Profile in Patients With Hepatocellular Carcinoma** *HEPATOLOGY*  
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2019; 69 (2): 653-665
  - **Immune Response to Tumor-Associated Antigens and Immune Cell Profiles in Nash-Related Hepatocellular Carcinoma**  
Seike, T., Mizukoshi, E., Inada, Y., Tamai, T., Iida, N., Kitahara, M., Yamashita, T., Arai, K., Terashima, T., Fushimi, K., Yamashita, T., Honda, M., Kaneko, et al  
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  - **A case of an elderly female with diffuse hepatic hemangiomatosis complicated with multiple organic dysfunction and Kasabach-Merritt syndrome** *CLINICAL JOURNAL OF GASTROENTEROLOGY*  
Shimizu, Y., Komura, T., Seike, T., Omura, H., Kumai, T., Kagaya, T., Ohta, H., Kawashima, A., Harada, K., Kaneko, S., Unoura, M.  
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  - **Light alcohol consumption has the potential to suppress hepatocellular injury and liver fibrosis in non-alcoholic fatty liver disease** *PLOS ONE*  
Yamada, K., Mizukoshi, E., Seike, T., Horii, R., Kitahara, M., Sunagozaka, H., Arai, K., Yamashita, T., Honda, M., Kaneko, S.  
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  - **A Young Man with Non-alcoholic Steatohepatitis and Serum Anti-mitochondrial Antibody Positivity** *INTERNAL MEDICINE*  
Seike, T., Komura, T., Shimizu, Y., Omura, H., Kumai, T., Kagaya, T., Ohta, H., Kawashima, A., Harada, K., Kaneko, S., Unoura, M.  
2018; 57 (21): 3093-3097
  - **The Efficacy of Corticosteroid Therapy in a Patient with Non-alcoholic Steatohepatitis Overlapping Autoimmune Hepatitis** *INTERNAL MEDICINE*  
Komura, T., Ohta, H., Seike, T., Shimizu, Y., Nakai, R., Omura, H., Kagaya, T., Kasashima, S., Kawashima, A., Oba, S., Harada, K., Kaneko, S., Unoura, et al  
2018; 57 (6): 807-812
  - **[A case of gastric follicular lymphoma resected and diagnosed with laparoscopy and endoscopy cooperative surgery].** *Nihon Shokakibyo Gakkai zasshi = The Japanese journal of gastro-enterology*  
Seike, T., Inamura, K., Okuno, N., Asaumi, Y., Takata, Y., Okamura, T., Matano, S., Terahata, S., Sakatoku, K., Kawai, H.  
2017; 114 (11): 1996-2004

- **The utility of the serum C16:1n7/C16:0 ratio as a diagnostic marker of non-alcoholic steatohepatitis**

Yamada, K., Mizukoshi, E., Seike, T., Terashima, T., Kitahara, M., Iida, N., Sunagozaka, H., Arai, K., Yamashita, T., Honda, M., Kaneko, S.  
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- **The CD25 expression on CD4+FoxP3-T cells in non-alcoholic fatty liver disease**

Seike, T., Mizukoshi, E., Tamai, T., Terashima, T., Iida, N., Yamashita, T., Arai, K., Yamada, K., Kaneko, S.  
WILEY.2017: 1068A-1069A

- **[A case of cytomegalovirus infection with splenic infarction and an esophageal ulcer in an immunocompetent adult]. *Nihon Shokakibyo Gakkai zasshi = The Japanese journal of gastro-enterology***

Shimizu, Y., Komura, T., Seike, T., Nakai, R., Omura, H., Kagaya, T., Ohta, H., Kasashima, S., Kawashima, A., Unoura, M.  
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- **[A rapidly growing, large, mature retroperitoneal teratoma in an adult male patient]. *Nihon Shokakibyo Gakkai zasshi = The Japanese journal of gastro-enterology***

Seike, T., Kagaya, T., Komura, T., Nakai, R., Shimizu, Y., Omura, H., Ohta, H., Ohyama, S., Kawashima, A., Unoura, M.  
2017; 114 (6): 1008-1014

- **Lidocaine spray alone is similar to spray plus viscous solution for pharyngeal observation during transoral endoscopy: a clinical randomized trial *ENDOSCOPY INTERNATIONAL OPEN***

Hayashi, T., Asahina, Y., Waseda, Y., Kitamura, K., Kagaya, T., Seike, T., Okada, K., Inada, Y., Takabatake, H., Orita, N., Yanase, Y., Yamashita, T., Ninomiya, et al  
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Kida, A., Mizukoshi, E., Seike, T., Yonejima, A., Inada, Y., Kaji, K., Yamada, K., Nakagawa, H., Terashima, T., Kitahara, M., Iida, N., Kaneko, S., Kaneko, et al  
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- **Lidocaine Spray Alone Is Similar to Lidocaine Spray Plus Viscous Solution for Pharyngeal Observation During Transoral Endoscopy: A Randomized Prospective Study**

Hayashi, T., Asahina, Y., Waseda, Y., Kitamura, K., Kagaya, T., Seike, T., Inada, Y., Takabatake, H., Orita, N., Yanase, Y., Yamashita, T., Ninomiya, I., Yoshimura, et al  
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- **Imaging findings of gastric calcifying fibrous tumour *BJR CASE REPORTS***

Miyashita, S., Ryu, Y., Takata, H., Asaumi, Y., Sakatoku, M., Seike, T., Okamura, T., Inamura, K., Kawai, H., Okuno, N., Terahata, S.  
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