

<掲載論文タイトルと著者>

An international genome-wide meta-analysis of primary biliary cholangitis: novel risk loci and a hierarchy of candidate drugs. *Journal of Hepatology* 2021

Heather J. Cordell¹, James J. Fryett¹, Kazuko Ueno², Rebecca Darlay¹, Yoshihiro Aiba³, Yuki Hitomi⁴, Minae Kawashima⁴, Nao Nishida⁴, Seik-Soon Khor², Olivier Gervais^{5,6}, Yosuke Kawai², Masao Nagasaki^{5,6}, Katsushi Tokunaga², Ruqi Tang⁷, Yongyong Shi^{8,9}, Zhiqiang Li^{8,9}, Brian D. Juran¹⁰, Elizabeth J. Atkinson¹¹, Alessio Gerussi^{12,13}, Marco Carbone^{12,13}, Rosanna Asselta^{14,15}, Angela Cheung¹⁰, Mariza de Andrade¹¹, Aris Baras¹⁶, Julie Horowitz¹⁶, Manuel A.R. Ferreira¹⁶, Dylan Sun¹⁶, David E. Jones¹⁷, Steven Flack¹⁸, Ann Spicer¹⁸, Victoria L. Mulcahy¹⁸, Jinyoung Byan¹⁹, Younghun Han¹⁹, Richard N. Sandford¹⁸, Konstantinos N. Lazaridis¹⁰, Christopher I. Amos¹⁹, Gideon M. Hirschfield²⁰, Michael F. Seldin²¹, Pietro Invernizzi^{12,13}, Katherine A. Siminovitch^{22,23}, Xiong Ma⁷, Minoru Nakamura³, and George F. Mells¹⁸ for the Canadian PBC Consortium, Chinese PBC Consortium, Italian PBC Study Group, Japan-PBC-GWAS Consortium, US PBC Consortium, and UK-PBC Consortium

¹Population Health Sciences Institute, Faculty of Medical Sciences, Newcastle University, Newcastle upon Tyne, United Kingdom

²Genome Medical Science Project, National Center for Global Health and Medicine (NCGM), Tokyo, Japan

³Clinical Research Center, National Hospital Organization, Nagasaki Medical Center, and Department of Hepatology, Nagasaki University Graduate School of Biomedical Sciences, Omura, Japan

⁴Department of Human Genetics, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

⁵Human Biosciences Unit for the Top Global Course Center for the Promotion of Interdisciplinary Education and Research, Kyoto University, Kyoto, Japan,

⁶Center for Genomic Medicine, Graduate School of Medicine, Kyoto University, Kyoto, Japan

⁷Division of Gastroenterology and Hepatology, Key Laboratory of Gastroenterology and Hepatology, Ministry of Health, State Key Laboratory for Oncogenes and Related Genes, Renji Hospital, School of Medicine, Shanghai JiaoTong University, Shanghai Institute of Digestive Disease, Shanghai, China

⁸Bio-X Institutes, Key Laboratory for the Genetics of Developmental and Neuropsychiatric Disorders (Ministry of Education), Collaborative Innovation Center for Brain Science, Shanghai Jiao Tong University, Shanghai, China

⁹Affiliated Hospital of Qingdao University and Biomedical Sciences Institute of Qingdao University (Qingdao Branch of SJTU Bio-X Institutes), Qingdao University, Qingdao, China

¹⁰Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, Minnesota, United States of America

¹¹Division of Biomedical Statistics and Informatics, Mayo Clinic, Rochester, Minnesota,

United States of America

¹²Division of Gastroenterology and Center for Autoimmune Liver Diseases, Department of Medicine and Surgery, University of Milano-Bicocca, Monza, Italy

¹³European Reference Network on Hepatological Diseases (ERN RARE-LIVER), San Gerardo Hospital, Monza, Italy

¹⁴Department of Biomedical Sciences, Humanitas University, Pieve Emanuele, Milan, Italy

¹⁵Humanitas Clinical and Research Center, IRCCS, Rozzano, Milan, Italy

¹⁶Regeneron Genetics Center, Tarrytown, New York, United States of America

¹⁷Translational and Clinical Research Institute, Faculty of Medical Sciences, Newcastle University, Newcastle upon Tyne, United Kingdom

¹⁸Academic Department of Medical Genetics, University of Cambridge, Cambridge, United Kingdom

¹⁹Institute for Clinical and Translational Research, Baylor College of Medicine, Houston, Texas, United States of America

²⁰Toronto Centre for Liver Disease, Division of Gastroenterology and Hepatology, University of Toronto, Toronto, Ontario, Canada

²¹University of California, Davis, California, United States of America

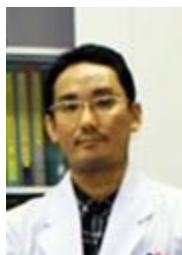
²²Departments of Medicine, Immunology and Medical Sciences, University of Toronto, Toronto, Ontario, Canada

²³Mount Sinai Hospital, Lunenfeld-Tanenbaum Research Institute and Toronto General Research Institute, Toronto, Ontario, Canada

<長崎大学／長崎医療センター>



長崎大学大学院医歯薬学総合研究科新興感染症病態制御学系専攻肝臓病学講座 教授／
独立行政法人国立病院機構長崎医療センター臨床研究センター 客員研究員
中村 稔（なかむら みのる）



独立行政法人国立病院機構長崎医療センター臨床研究センター 研究員
相葉 佳洋（あいば よしひろ）

連絡先 E-mail : nakamura.minoru.mz@mail.hosp.go.jp または nakamuram@san.bbiq.jp

TEL : 0957-52-3121 FAX : 0957-53-6675

<国立国際医療研究センター>



ゲノム医科学プロジェクト 戸山プロジェクト長
徳永 勝士 (とくなが かつし)



副プロジェクト長
河合 洋介 (かわい ようすけ)



研究員
植野 和子 (うえの かずこ)



客員研究員／星薬科大学薬学部微生物学研究室特任講師
人見 祐基 (ひとみ ゆうき)



上級研究員
西田 奈央 (にしだ なお)



客員研究員／科学技術振興機構バイオサイエンスデータベースセンター研究員
川嶋 実苗 (かわしま みなえ)



特別研究員
Seik-Soon Khor (せつくすん こー)

<京都大学>



京都大学学際融合教育研究推進センタースーパーグローバルコース医学生命系ユニット／
京都大学大学院医学研究科附属ゲノム医学センター 特定教授
長崎 正朗（ながさき まさお）



研究員（当時）
（現在）日本大学国際関係学部国際総合政策学科 助教
Gervais Olivier（じえるべ おりびえ）

連絡先 E-mail : nagasaki@genome.med.kyoto-u.ac.jp

URL : <https://nagasaki@genome.med.kyoto-u.ac.jp> TEL : 075-366-7405 FAX : 075-751-4167