

Caption: Panoramic view of the Old Town in Stockholm, Sweden. See in this issue the very important European Evidence-Based Guidelines on Pancreatic Cystic Neoplasms.

An international journal of gastroenterology and hepatology

Impact Factor: 16.658

Editor

Emad El-Omar (Australia)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal

Gastroenterology)

William Grady (USA)

Deputy Editor (Endoscopy)

Thomas Rosch (Germany)

Associate Editors

Matias Avila (Spain)

Guy Boeckxstaens (Belgium)

Patrice Cani (Belgium)

Jean-Francois Dufour (Switzerland)

Thomas Gress (Germany)

Arthur Kaser (UK)

Ernst Kuipers (The Netherlands)

Siew C Ng (Hong Kong)

Herbert Tilg (Austria)

Fabien Zoulim (France)

Editorial Office

Gut

BMJ Journals

BMA House, Tavistock Square

London, WC1H 9JR, UK

T: +44 (0)20 7383 6394

F: +44 (0)20 7383 6668

E: info.gut@bmj.com

ISSN: 0017-5749 (print)

ISSN: 1468-3288 (online)

Disclaimer: Gut is owned and published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association and the British Society of Gastroenterology. The owners grant editorial freedom to the Editor of Gut. Gut follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

Gut is intended for medical professionals and is provided without warranty, express or implied. Statements in the Journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group, the British Society of Gastroenterology or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of Gut or any information in it whether based on contract, tort or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright © 2018 BMJ Publishing Group Ltd and British Society of Gastroenterology. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without prior permission

Gut is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper.

Gut (ISSN: 0017-5749) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to Gut, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Commentaries

783 CDK20 inhibition and immune checkpoint blockade: bringing cancer biology and tumour immunology together to develop novel treatment options for HCC
T F Greten, F Korangy

784 MAIT cells: a novel therapeutic target for alcoholic liver disease?
B Gao, J Ma, X Xiang

787 HBV infection and HCC: the 'dangerous liaisons'
A Bertoletti, P T F Kennedy, D Durantel

Guidelines

789 European evidence-based guidelines on pancreatic cystic neoplasms
The European Study Group on Cystic Tumours of the Pancreas

Stomach

805 A signalling cascade of IL-33 to IL-13 regulates metaplasia in the mouse stomach
C P Petersen, A R Meyer, C De Salvo, E Choi, C Schlegel, A Petersen, A C Engevik, N Prasad, S E Levy, R S Peebles, T T Pizarro, J R Goldenring

Inflammatory bowel disease

818 Clinical relevance of detecting anti-infliximab antibodies with a drug-tolerant assay: post hoc analysis of the TAXIT trial
T Van Stappen, N Vande Castele, G Van Assche, M Ferrante, S Vermeire, A Gils

Neurogastroenterology

827 Age-dependent shift in macrophage polarisation causes inflammation-mediated degeneration of enteric nervous system
L Becker, L Nguyen, J Gill, S Kulkarni, P J Pasricha, A Habtezion

Endoscopy

837 Randomised controlled trial of transanal endoscopic microsurgery versus endoscopic mucosal resection for large rectal adenomas (TREND Study)
R M Barendse, G D Musters, E J R de Graaf, F J C van den Broek, E C J Consten, P G Doornebosch, J C Hardwick, I H J T de Hingh, C Hoff, J M Jansen, A W Mark van Milligen de Wit, G P van der Schelling, E J Schoon, M P Schwartz, B L A M Weusten, M G Dijkgraaf, P Fockens, W A Bemelman, E Dekker, On behalf of the TREND Study Group

Gut microbiota

847 Gut symbiotic microbes imprint intestinal immune cells with the innate receptor SLAMF4 which contributes to gut immune protection against enteric pathogens
A Cabinian, D Sinsimer, M Tang, Y Jang, B Choi, Y Laouar, A Laouar

860 Toxin-positive *Clostridium difficile* latently infect mouse colonies and protect against highly pathogenic *C. difficile*
L Etienne-Mesmin, B Chassaing, O Adekunle, L M Mattei, F D Bushman, A T Gewirtz

872 Multivariate modelling of faecal bacterial profiles of patients with IBS predicts responsiveness to a diet low in FODMAPs
S M P Bennet, L Böhn, S Störsrud, T Liljebo, L Collin, P Lindfors, H Törblom, L Öhman, M Simrén

882 Leveraging sequence-based faecal microbial community survey data to identify a composite biomarker for colorectal cancer
M S Shah, T Z DeSantis, T Weinmaier, P J McMurdie, J L Cope, A Altrichter, J-M Yamal, E B Hollister

892 Recovery of ethanol-induced *Akkermansia muciniphila* depletion ameliorates alcoholic liver disease
C Grandt, T E Adolph, V Wieser, P Lowe, L Wrzosek, B Gyongyosi, D V Ward, F Grabherr, R R Gerner, A Pfister, B Enrich, D Ciocan, S Macheiner, L Mayr, M Drach, P Moser, A R Moschen, G Perlemuter, G Szabo, A M Cassard, H Tilg

MORE CONTENTS ►



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://authors.bmj.com/open-access/>




Member since 2008

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics www.publicationethics.org.uk




When you have finished with this magazine please recycle it.

Colon

- 903**  **CHK1-targeted therapy to deplete DNA replication-stressed, p53-deficient, hyperdiploid colorectal cancer stem cells**

G Manic, M Signore, A Sistigu, G Russo, F Corradi, S Siteni, M Musella, S Vitale, M L De Angelis, M Pallocca, C A Amoreo, F Sperati, S Di Franco, S Barresi, E Policchio, G De Luca, F De Nicola, M Mottolese, A Zeuner, M Fanciulli, G Stassi, M Maugeri-Saccà, M Baiocchi, M Tartaglia, I Vitale, R De Maria


Hepatology

- 918**  **Mucosa-associated invariant T cells link intestinal immunity with antibacterial immune defects in alcoholic liver disease**

A Riva, V Patel, A Kurioka, H C Jeffery, G Wright, S Tarff, D Shawcross, J M Ryan, A Evans, S Azarian, J S Bajaj, A Fagan, V Patel, K Mehta, C Lopez, M Simonova, K Katzarov, T Hadzhiolova, S Pavlova, J A Wendon, Y H Oo, P Klenerman, R Williams, S Chokshi

- 931** **Hepatoma-intrinsic CCRK inhibition diminishes myeloid-derived suppressor cell immunosuppression and enhances immune-checkpoint blockade efficacy**
- J Zhou, M Liu, H Sun, Y Feng, L Xu, A W H Chan, J H Tong, J Wong, C C N Chong, P B S Lai, H K-S Wang, S-W Tsang, T Goodwin, R Liu, L Huang, Z Chen, J J Y Sung, K L Chow, K F To, A S-L Cheng*

- 945** **High risk of hepatocellular carcinoma and death in patients with immune-tolerant-phase chronic hepatitis B**
- G-A Kim, Y-S Lim, S Han, J Choi, J H Shim, K M Kim, H C Lee, Y S Lee*

- 953**  **miR-135a-5p-mediated downregulation of protein tyrosine phosphatase receptor delta is a candidate driver of HCV-associated hepatocarcinogenesis**
- N Van Renne, A A Roca Suarez, F H T Duong, C Gondeau, D Calabrese, N Fontaine, A Ababsa, S Bandiera, T Croonenborghs, N Pochet, V De Blasi, P Pessaux, T Piardi, D Sommacale, A Ono, K Chayama, M Fujita, H Nakagawa, Y Hoshida, M B Zeisel, M H Heim, T F Baumert, J Lupberger*

Recent advances in basic science

- 963** **Non-alcoholic steatohepatitis pathogenesis: sublethal hepatocyte injury as a driver of liver inflammation**
- S H Ibrahim, P Hirsova, G J Gores*

Recent advances in clinical practice

- 973** **Gastrointestinal ultrasound in inflammatory bowel disease: an underused resource with potential paradigm-changing application**
- R V Bryant, A B Friedman, E K Wright, K M Taylor, J Begun, G Maconi, C Maaser, K L Novak, T Kucharzik, N S S Atkinson, A Asthana, P R Gibson*

JournalScan

- 986** **GI highlights from the literature**
- M H McLean*


PostScript

- 988** **Letters**



OPEN ACCESS

Correction

- 994**  **Correction: Metabolic biomarker signature to differentiate pancreatic ductal adenocarcinoma from chronic pancreatitis**

Editor's quiz: GI snapshot

- 902** **Persistent cough: A question for the gastroenterologist?**
- E Parsons, B E Warner, B Braden*