

Caption: Beautiful orchids; National Orchid Garden, Singapore. See inside this issue the Editor's Choice paper by Wu et al, from Singapore's Gastric Cancer

An international journal of gastroenterology and hepatology Impact Factor: 10.732

Editor

Emad El-Omar (UK)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal Gastroenterology) William Grady (USA)

Deputy Editor (Endoscopy)

Thomas Rösch (Germany)

Associate Editors

Matias Avila (Spain) Guy Boeckxstaens (Belguim) Laurence Egan (Ireland) Thomas Gress (Germany) Ernst Kuipers (The Netherlands) Julian Panes (Spain) Herbert Tilg (Austria) Fabien Zoulim (France)

Editorial Office

BMJ Journals BMA House, Tavistock Square

London, WC1H 9JR, UK

T: +44 (0)20 7383 6394 F: +44 (0)20 7383 6668

E: guteditorial@bmjgroup.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 © 2013 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 Techset 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.

Leading article

1093 Sodium-dependent taurocholic cotransporting polypeptide: a candidate receptor for human hepatitis B virus

C Seeger, W S Mason

Commentaries

1096 Prebiotics for obesity: a small light on the horizon?

H Tilg, A Gasbarrini

1098 Mesenchymal stromal cells in inflammatory bowel disease: conspirators within the 'colitogenic niche'?

S Danese, S Rutella, S Vetrano

Original articles Stomach

1100 Comprehensive genomic meta-analysis identifies intra-tumoural stroma as a predictor of

survival in patients with gastric cancer

Y Wu, H Grabsch, T Ivanova, I B Tan, J Murray, CH Ooi, A I Wright, N P West, G G A Hutchins, J Wu, M Lee, J Lee, J H Koo, K G Yeoh, N van Grieken, B Ylstra, S Y Rha, J A Ajani, J H Cheong, S H Noh, K H Lim, A Boussioutas, J-S Lee, P Tan

Nutrition

1112 Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study OPEN ACCESS with inulin-type fructans in obese women

EM Dewulf, PD Cani, SP Claus, SFuentes, PGB Puylaert, AM Nevrinck, LB Bindels, W M de Vos, G R Gibson, J-P Thissen, N M Delzenne

Inflammatory bowel disease



1122 A randomised phase I study of etrolizumab (rhuMAb β7) in moderate to severe ulcerative OPEN ACCESS COLITIS

> P J Rutgeerts, R N Fedorak, D W Hommes, A Sturm, D C Baumgart, B Bressler, S Schreiber, J C Mansfield, M Williams, M Tang, J Visich, X Wei, M Keir, D Luca, D Danilenko, J Egen, S O'Byrne

1131 Adipose-derived mesenchymal stromal cells induce immunomodulatory macrophages which protect from experimental colitis and sepsis P Anderson, L Souza-Moreira, M Morell, M Caro, F O'Valle, E Gonzalez-Rey, M Delgado

1142 Bone marrow-mesenchymal stem cells are a major source of interleukin-7 and sustain colitis by forming the niche for colitogenic CD4 memory T cells

> Y Nemoto, T Kanai, M Takahara, S Oshima, T Nakamura, R Okamoto, K Tsuchiya, M Watanabe

1153 Oral contraceptives, reproductive factors and risk of inflammatory bowel disease H Khalili, L M Higuchi, A N Ananthakrishnan, J M Richter, D Feskanich, C S Fuchs, A T Chan

Irritable bowel syndrome

1160 Diarrhoea-predominant irritable bowel syndrome: an organic disorder with structural abnormalities in the jejunal epithelial barrier C Martínez, B Lobo, M Pigrau, L Ramos, A M González-Castro, C Alonso, M Guilarte, M Guilá, I de Torres, F Azpiroz, J Santos, M Vicario

Colon

- 1169 Novel roles of liver sinusoidal endothelial cell lectin in colon carcinoma cell adhesion. migration and in-vivo metastasis to the liver Y Zuo, S Ren, M Wang, B Liu, J Yang, X Kuai, C Lin, D Zhao, L Tang, F He
- **1179** Fluorescence endoscopic detection of murine colitis-associated colon cancer by topically applied enzymatically rapid-activatable probe M Mitsunaga, N Kosaka, P L Chovke, MR Young, CR Dextras, SM Saud, NH Colburn, M Sakabe, T Nagano, D Asanuma, Y Urano, H Kobavashi

Pancreas

1187 Vegetables, fruit and risk of non-gallstonerelated acute pancreatitis: a population-based prospective cohort study

V Oskarsson, O Sadr-Azodi, N Orsini, Å Andrén-Sandberg, A Wolk

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. OPEN ACCESS See http://gut.bmj.com/site/about/guidelines.xhtml#open

COPECATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org.uk equator



Hepatology

1193 Very low-density lipoprotein/lipo-viro particles reverse lipoprotein lipase-mediated inhibition of hepatitis C virus infection via apolipoprotein C-III H-Y Sun, C-C Lin, J-C Lee, S-W Wang, P-N Cheng, I-C Wu, T-T Chang, M-D Lai, D-B Shieh, K-C Young

1204 Expression of B and T lymphocyte attenuator (BTLA) in macrophages contributes to the fulminant hepatitis caused by murine hepatitis virus strain-3

C Yang, Y Chen, G Guo, H Li, D Cao, H Xu, S Guo, L Fei, W Yan, Q Ning, L Zheng, Y Wu

JournalScan

1223 Gl highlights from the literature *M H McLean*

Editor's quiz: GI snapshot

1152 A dramatic finding at colonoscopy: cause for concern?

B Crooks, F Sampaziotis, E Purkis, S Cerys, S Catnach

PostScript

1227 Letters



Recent advances in basic science

1214 The vagal innervation of the gut and immune



OPEN ACCESS G Matteoli, G E Boeckxstaens