In this issue:
- Cognitive load alters neuronal processing of food odors
- The accessory olfactory system facilitates the recovery from habituation to volatile female odors in male mice
- Diversity of Type III taste cells
In This Issue

Commentary
Distracted Sniffing of Food Odors Leads to Diminished Behavioral and Neural Responses
Maria Geraldine Veldhuizen

Original Articles
Cognitive Load Alters Neuronal Processing of Food Odors
Sonja Maria Hoffmann-Hensel, Rik Sijben, Rea Rodriguez-Raecke, and Jessica Freiherr

The Accessory Olfactory System Facilitates the Recovery of the Attraction to Familiar Volatile Female Odors in Male Mice
Yoshikage Muroi, Masakazu Nishimura, and Toshiaki Ishii

Genetic Labeling of Car4-expressing Cells Reveals Subpopulations of Type III Taste Cells
Kristina Lossow, Irm Hermans-Borgmeyer, Maik Behrens, and Wolfgang Meyerhof

Type III Cells in Anterior Taste Fields Are More Immunohistochemically Diverse Than Those of Posterior Taste Fields in Mice
Courtney E. Wilson, Thomas E. Finger, and Sue C. Kinnamon

Taste Responses to Linoleic Acid: A Crowdsourced Population Study
Nicole L. Garneau, Tiffany M. Nuessle, Robin M. Tucker, Mengjie Yao, Stephanie A. Santorico, and Richard D. Mattes, on behalf of The Genetics of Taste Lab Citizen Scientists

Olfactory Context-Dependent Memory and the Effects of Affective Congruency
Ryan P.M. Hackländer and Christina Bermeitinger

Book Reviews
Objects, Properties, Percepts: A Philosopher’s Sniff
Bernd Lindemann

Human Olfaction, Crossmodal Perception, and Consciousness
Barry C. Smith
Subscriptions

A subscription to *Chemical Senses* comprises nine issues. Prices include despatch by Standard Air. *Chemical Senses* Advance Access contains papers that have recently been accepted but have not yet been included within an issue. Advance Access is updated daily.

**Annual subscription rate (Volume 42, 9 issues, 2017):**

**Institutional**
- Print edition and site-wide online access: £1108/US$2105/E1662
- Print edition only: £1021/US$1940/E1531
- Site-wide online access only: £862/US$1638/E1293

**Personal**
- Print edition and individual online access: £388/US$777/E582
- Please note: UK£ rate applies to UK and Rest of World, except US and Canada ($) and Europe (€).

There may be other subscription rates available; for a complete listing please visit https://academic.oup.com/chemse/subscribe.

Full pre-payment in the correct currency is required for all orders. Payment should be in US dollars for orders being delivered to the USA or Canada; Euros for orders being delivered within Europe (excluding the UK); GBP sterling for orders being delivered elsewhere (i.e. not being delivered to USA, Canada, or Europe). All orders should be accompanied by full payment and sent to your nearest Oxford Journals office. Subscriptions are accepted for complete volumes only. Orders are regarded as firm, and payments are not refundable. Our prices include Standard Air as postage outside of the UK. Claims must be notified within four months of despatch/order date (whichever is later). Subscriptions in the EEC may be subject to European VAT. If registered, please supply details to avoid unnecessary charges. For subscriptions that include online versions, a proportion of the subscription price may be subject to UK VAT. Subscribers in Canada, please add GST to the prices quoted. Personal rate subscriptions are only available if payment is made by personal cheque or credit card, delivery is to a private address, and is for personal use only.

The current year and two previous years’ issues are available from Oxford Journals. Previous volumes can be obtained from the Periodicals Service Company at http://periodicals.com/oxford.html or Periodicals Service Company, 11 Main Street, Germantown, NY 12526, USA. E-mail: psc@periodicals.com. Tel: (518) 537-4700. Fax: (518) 537-5899.

**For further information, please contact:** Journals Customer Service Department, Oxford University Press, Great Clarendon Street, Oxford OX2 6DP, UK. Email: jnls.cust.serv@oup.com. Tel (and answering phone outside normal working hours): +44 (0)1865 353907. Fax: +44 (0)1865 353485. **In the US, please contact:** Journals Customer Service Department, Oxford University Press, 2001 Evans Road, Cary, NC 27513, USA. Email: jnlorders@oup.com. Tel (and answering phone outside normal working hours): 800 852 7323 (toll-free in USA/Canada). Fax: 919 677 1714. **In Japan, please contact:** Journals Customer Services, Oxford University Press, 4-5-10-8F Shiba, Minato-ku, Tokyo, 108-8386, Japan. Email: custserv.jp@oup.com. Tel: (81) 3 5444 5858; Fax: (81) 3 3454 2929.

**Methods of payment.** (i) Check (payable to Oxford University Press, to Oxford University Press, Cashiers Office, Great Clarendon Street, Oxford OX2 6DP, UK), in GBP Sterling (drawn on a UK bank), US$ Dollars (drawn on a US bank), or EUR Euros. (ii) Bank transfer to Barclays Bank Plc, Oxford Group Office, Oxford (bank sort code 20-65-18 (UK)), overseas only Swift code BARC GB 22 (GBP Sterling to account no. 70299332, IBAN GB89BARC20651870299332; US$ Dollars to account no. 66014600, IBAN GB27BARC20651686014600; EUR Euros to account no. 78923655, IBAN GB16BARC 20651878923655). (iii) Credit card (MasterCard, Visa, Switch or American Express).

*Chemical Senses* (ISSN 0379-864X) is published nine times a year in January, February, March, May, June, July, September, October and November, by Oxford University Press, Oxford, UK. *Chemical Senses* is distributed by, Mercury Media Processing LLC, 1850 Elizabeth Ave., Suite #C, Rahway, NJ 07065. Periodicals postage paid at Rahway, New Jersey, USA and at additional entry points.

US POSTMASTER: send address changes to *Chemical Senses*, c/o Mercury Media Processing, 1634 E. Elizabeth Ave, Linden, NJ 07036 USA.

**Oxford Journals Environmental and Ethical Policies**

Oxford Journals, a division of Oxford University Press, is committed to working with the global community to bring the highest quality research to the widest possible audience. Oxford Journals will protect the environment by implementing environmentally friendly policies and practices wherever possible. Please see http://www.oxfordjournals.org/ethicalpolicies.html for further information on environmental and ethical policies.

**Digital Object Identifiers**

For information about dois and to resolve them, please visit www.doi.org.

**Permissions**

For information on how to request permissions to reproduce articles/information from this journal, please visit https://academic.oup.com/journals/pages/access_purchase/rights_and_permissions.

**Advertising**

Advertising, inserts, and artwork enquiries should be addressed to Advertising and Special Sales, Oxford Journals, Oxford University Press, Great Clarendon Street, Oxford, OX2 6DP, UK. Tel: +44 (0)1865 354767; Fax: +44 (0)1865 353774; E-mail: jnladvertising@oup.com.

**Disclaimer.** The opinions expressed in *Chemical Senses* are those of the authors and contributors and do not necessarily reflect those of the European Chemoreception Organization, the Association for Chemoreception Sciences, the Japanese Association for the Study of Taste and Smell, the editors, the editorial board, Oxford University Press or the organization to which the authors are affiliated. © 2017 Oxford University Press.

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 written permission of the Publishers or a licence permitting restricted copying issued in the UK by the Copyright Licensing Agency Ltd, 90 Tottenham Court Road, London W1P 9HE, or in the USA by the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

Typeset by Newgen Knowledge Works Pvt. Ltd., Chennai, India.

Printed by Strategic Content Imaging, USA.