Scope of Journal

The *American Journal of Physiology-Gastrointestinal and Liver Physiology* reports the rapid changes taking place in gastrointestinal and liver research. Exciting new developments in the basic concepts of cell and organ function and new approaches in cell and molecular biology are reported while maintaining the traditional focus on physiology.

The journal’s broad scope includes comprehensive coverage of normal and abnormal functions of the gastrointestinal tract, liver, pancreas, gallbladder, and salivary glands. Special features include subject table of contents and theme articles featuring concise, insightful perspectives.

With so many rapid changes taking place in the field, a subscription to *AJP-Gastrointestinal and Liver Physiology* is a must for all serious researchers in this area.

Authors are required to submit papers online at [www.apscentral.org](http://www.apscentral.org).

A Few HOT Articles

**Mechanism of action of cholecystokinin octapeptide on rat antrum, pylorus, and duodenum**

U. Scheurer, L. Varga, E. Drack, H. R. Burki, F. Halter
Am. J. Physiol. Gastrointest. Liver Physiol.
Mar 01, 1983; 244: 266-272

**Inflammation and Cancer I. Rodent models of infectious gastrointestinal and liver cancer**

Arlin B. Rogers, James G. Fox
Am. J. Physiol. Gastrointest. Liver Physiol.
Mar 01, 2004; 286: 361-366

**Inflammation and Cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation**

Steven H. Itzkowitz, Xianyang Yio
Am. J. Physiol. Gastrointest. Liver Physiol.
Jul 01, 2004; 287: 7-17

**Hormonal Regulation of Lipolysis in Adipose Tissue**

Kathy Jaworski, Eszter Sarkadi-Nagy, Robin Duncan, Maryam Ahmadian, Hei Sook Sul
Am. J. Physiol. Gastrointest. Liver Physiol.
Jan 11, 2007; doi: 10.1152/ajpgi.00554.2006

**TLRs in the Gut I. The role of TLRs/Nods in intestinal development and homeostasis**

Ian R. Sanderson, W. Allan Walker
Am. J. Physiol. Gastrointest. Liver Physiol.
Jan 01, 2007; 292: 6-10

Reader & Author Benefits

- Fully searchable text, including PubMed
- Rich color and sharp resolution of figures
- Editor’s Home Page at [www.the-aps.org/publications/ajpgi](http://www.the-aps.org/publications/ajpgi)
- FREE access to the extensive collection of back issues available online 12 months after publication
- FREE e-mail notification of new content as it becomes available
- Manuscripts online within days of acceptance
- Perpetual/Electronic Archiving of the LOCKSS and CLOCKSS systems preserves the electronic content of all APS journals.

Authors can choose to pay $2,000 on top of regular author fees and have their article made free immediately.

To start your SUBSCRIPTION, e-mail: subscriptions@the-aps.org

To submit your MANUSCRIPT go to: [www.apscentral.org](http://www.apscentral.org)

FURTHER INFORMATION: E-mail: subscriptions@the-aps.org, Call 301-634-7180, Fax 301-634-7418, or mail to The American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991 (USA)
Interested in... improving your manuscript writing or improving your poster presentation?

Hear what a past participant had to say:
"Writing the paper and being able to hear critics from the whole group is an experience to remember. So many good ideas and critics in so little time...wow!"

Who should apply: graduate students and post docs in all areas of physiology

What: Course in writing and reviewing for scientific journals and poster presentation skills

Where: Disney World, Lake Buena Vista, Florida

When: Every January

Why: The programs give students the opportunity to learn critical skills: how to network, give a formal introduction, and present effectively. The courses also aim to improve the technical aspects of student abstracts, manuscripts, and posters.

Learn more at: www.the-aps.org/education/profSkills/
Highlighted Topics Special Call for Papers
American Journal of Physiology—
Gastrointestinal and Liver Physiology
“Microbiome”
Submission deadline: October 1, 2008

The American Journal of Physiology: Gastrointestinal and Liver Physiology invites original research articles on the topic of the gut microbiome and the functional interactions between the complex bacterial flora and the host. In particular, we would like to encourage articles that seek to understand the role of the microbiome in disease, obesity, or fundamental physiological functions of the gut.

The February-April 2009 issues will feature original manuscripts in this Highlighted Topics series. All papers submitted on the basis of this topic will receive expedited review, however, only those papers that do not require extensive revision will be published during this three-month period. If more extensive revision is required and requested by the reviewing editors or if a late submission is made, authors will be given the opportunity to revise their papers and the work will be considered for publication at a later date.

Note to Authors: All manuscript should be submitted to APSCentral at http://www.apscentral.org/. If you have any questions about this call for papers, please contact the Editorial office or Gail Hecht (gahecht@uic.edu), who is Coordinating editor for the series.

Highlighted Topics Special Call for Papers
American Journal of Physiology—
Gastrointestinal and Liver Physiology
“Role of the Gut in Metabolic Syndrome”
Submission deadline: January 1, 2009

The American Journal of Physiology: Gastrointestinal and Liver Physiology invites original research articles on the topic of Metabolic Syndrome. Metabolic Syndrome is a combination of medical disorders that increase the risk of developing cardiovascular disease and diabetes. The Journal invites original research articles on the intestinal and liver dysfunction that contributes to such disorders (e.g. lipid absorption, sugar absorption, incretin secretion, metabolism of nutrients, etc.).

The May-July 2009 issues will feature original manuscripts in this Highlighted Topics series. All papers submitted on the basis of this topic will receive expedited review, however, only those papers that do not require extensive revision will be published during this three-month period. If more extensive revision is required and requested by the reviewing editors, or if a late submission is made, authors will be given the opportunity to revise their papers and the work will be considered for publication at a later date.

Note to Authors: All manuscript should be submitted to APSCentral at http://www.apscentral.org/. If you have any questions about this call for papers, please contact the Editorial office or Patrick Tso (patrick.tso@uc.edu), who is Coordinating editor for the series.
CALL FOR NOMINATIONS

for the Editorship of

Physiological Genomics

Nominations are invited for the Editorship of the Physiological Genomics to succeed A. W. Cowley, Jr., who will complete his term as Editor on June 30, 2009. The Publications Committee plans to interview candidates in the Fall of 2008.

Applications should be received before August 15, 2008.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Kim E. Barrett, Ph.D.
9650 Rockville Pike
Bethesda, MD 20814-3991

---

CALL FOR NOMINATIONS

for the Editorship of

American Journal of Physiology-Gastrointestinal and Liver Physiology

Nominations are invited for the Editorship of the American Journal of Physiology-Gastrointestinal and Liver Physiology to succeed M. Montrose, who will complete his term as Editor on June 30, 2009. The Publications Committee plans to interview candidates in the Fall of 2008.

Applications should be received before August 15, 2008.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Kim E. Barrett, Ph.D.
9650 Rockville Pike
Bethesda, MD 20814-3991
THE APS JOURNAL LEGACY CONTENT is an “online package” of over 100 years of historical scientific research from 13 American Physiological Society (APS) research journals.

- It can be purchased separately at a one-time charge for perpetual use. This Legacy Content is **FREE to APS Members** ($2,000 for nonmembers).
- It is a separate program from the Subscription Program in that you pay once for the perpetual access to the online content from all APS journals from 1898 to 1996-1998, depending on the journal (see chart below). This content goes back to the first issue of each of the APS journals—including the American Journal of Physiology, first published in 1898. This legacy content can be viewed as completely searchable scanned images of the printed pages.

### JOURNAL TITLE

<table>
<thead>
<tr>
<th>Journal Title</th>
<th>Legacy Content Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal of Neurophysiology</td>
<td>Jan 1938 - Dec 1996</td>
</tr>
<tr>
<td>American Journal of Physiology (AJP)</td>
<td>Jan 1898 - Dec 1976</td>
</tr>
<tr>
<td>AJP-Cell Physiology</td>
<td>Jan 1977 - Sept 1997</td>
</tr>
<tr>
<td>AJP-Endocrinology &amp; Metabolism</td>
<td>Jan 1977 - Sept 1997</td>
</tr>
<tr>
<td>AJP-Gastrointestinal &amp; Liver Physiology</td>
<td>Jan 1980 - Sept 1997</td>
</tr>
<tr>
<td>AJP-Heart &amp; Circulatory Physiology</td>
<td>Jan 1977 - Sept 1997</td>
</tr>
<tr>
<td>AJP-Regulatory, Integrative &amp; Comparative Physiology</td>
<td>Jan 1977 - Sept 1997</td>
</tr>
<tr>
<td>AJP-Renal Physiology</td>
<td>Jan 1977 - Sept 1997</td>
</tr>
<tr>
<td>Advances in Physiology Education</td>
<td>June 1989 - Nov 1997</td>
</tr>
<tr>
<td>Physiological Reviews</td>
<td>Jan 1921 - Dec 1997</td>
</tr>
<tr>
<td>News in Physiological Sciences</td>
<td>Jan 1986 - Jan 1998</td>
</tr>
<tr>
<td>Physiological Genomics</td>
<td>Not applicable because first published in 1999</td>
</tr>
</tbody>
</table>

**PLEASE NOTE:** All online content published after the end dates for the journals above is free to all 12 months after publication.
Need to promote open positions, fellowship opportunities, programs, or conferences in physiology?

Advertise in the publications of The American Physiological Society (APS). The APS publications are a perfect way to advertise to research investigators, clinicians, educators, and information specialists in all disciplines of physiology. Two of the APS publications, Physiology and The Physiologist are distributed to over 11,500 APS members.

• The society’s newsletter, The Physiologist and the beautifully illustrated journal, Physiology, are sent to over 11,500 members
• Quarter, half, and full page display sizes available
• Some issues featured at high attendance meetings like the Society for Neuroscience and Experimental Biology annual meetings
• Email ads available starting at $250 per issue

CONTACT FASEB AdNet at 301-634-7156 or email adnet@faseb.org for an ad estimate. View APS rate card and full media kit at www.faseb.org/adnet.

FREE necessary Color for Members

Regular or Student Members of the American Physiological Society (APS) who are first or last authors of articles in any of the APS research journals get FREE scientifically necessary COLOR (see below for journal titles).

If you are not yet an APS Member and are planning to submit a manuscript that requires color to any of these journals as a first or last author, then you need to apply for membership today in APS.

We provide you several convenient ways to apply for Membership. Just go to our web site and select your choice at: www.the-aps.org/membership/application.htm

Other Member Benefits APS Delivers...

• Free online access to the current content and legacy content (going back 100 years) of 13 APS research journals
• Free print subscriptions to Physiology, The Physiologist, and Advances in Physiology Education
• Up to 75% discount on APS scholarly books
• Discount registration rates for Experimental Biology and other APS meetings
• Serve on APS sections, special interest groups, or society committees related to your discipline
• and more...Go to: www.the-aps.org/membership/benefit.htm

The APS Research Journals...

• American Journal of Physiology (AJP consolidated)
• AJP-Cell Physiology
• AJP-Endocrinology and Metabolism
• AJP-Gastrointestinal and Liver Physiology
• AJP-Lung Cellular and Molecular Physiology
• AJP-Heart and Circulatory Physiology
• AJP-Regulatory, Integrative and Comparative Physiology
• AJP-Renal Physiology
• Advances in Physiology Education
• Journal of Applied Physiology
• Journal of Neurophysiology
• Physiological Genomics

Questions? Contact us today.
The American Physiological Society
Tel: 301-634-7171 • Fax: 301-634-7241
E-mail: members@the-aps.org • Web: www.the-aps.org

03.17.08
PAST THEMES

Role of NKT Cells in the Digestive System

Oct. 2007  Invariant NKT cells and liver diseases: is there strength in numbers?  M. N. Ajuebor

Nov. 2007  NKT cells and diabetes  L. Wu and L. Van Kaer


Jan. 2008  The role of canonical natural killer T cells in mucosal immunity and inflammation  G. Wingender and M. Kronenberg

Development and Physiological Regulation of Intestinal Lipid Absorption


Oct. 2007  Dietary lipid absorption, complex lipid synthesis, and the intracellular packaging and secretion of chylomicrons  C. M. Mansbach II and F. Gorelick

Apr. 2008  Intestinal transporters and cholesterol absorption  D. Hui and P. Howles

Endocannabinoids and Liver Disease

Jan. 2008  Endocannabinoids and their receptors in the liver  A. Mallat and S. Lotersztajn

Feb. 2008  Endocannabinoids in the pathogenesis and treatment of liver fibrosis  S. V. Siegmund and R. F. Schwabe

Apr. 2008  Endocannabinoid effects on immune cells: implications for inflammatory liver disease  P. Pacher and B. Gao

May 2008  Endocannabinoid involvement in obesity and hepatic steatosis  G. Kunos

CURRENT THEMES

The Adventures of Sonic Hedgehog in Development and Repair

Feb. 2008  Hedgehog signaling in gastrointestinal development and disease  C. A. Parkin and P. W. Ingham

Mar. 2008  Sonic hedgehog and liver development, inflammation, and cancer  A. Omenetti and A. M. E. Diehl

Apr. 2008  Hedgehog processing and biological activity  S. F. Farzan, S. Singh, N. S. Schilling, and D. J. Robbins

May 2008  Histamine induces secretion of sonic hedgehog across the apical membrane of polarized parietal cells  Y. Zavros

Pancreatic stem cell and inflammation  D. M. Simeone