New Awards and Fellowships

Sponsored by The American Physiological Society

APS Postdoctoral Fellowship in Physiological Genomics
The American Physiological Society is pleased to announce a fellowship program designed to promote careers that apply organ system physiology to the study of the human or mammalian genome. Formerly known as the APS-Genentech Postdoctoral Fellowship, the APS Postdoctoral Fellowship has been established in recognition of the fact that many advances in genomics will ultimately require a functional understanding in the context of the organism, and special training will be needed to conduct this type of research.

Criteria: Project must use the tools of cellular and molecular biology in the setting of the whole animal. Should identify a laboratory and sponsor under whose supervision a project in organ system physiology and molecular biology can be combined.

Award: Two-year annual stipend of $30,000 and trainee allowance of $3,500.

Application Deadline: January 15, 1998

Arthur C. Guyton Awards for Excellence in Integrative Physiology
The Arthur C. Guyton Fund was established in 1993 to recognize Guyton's contributions and his interests in feedback, modeling, and integrative physiology. The awards are made to independent investigators, who hold an academic rank no higher than assistant professor, and are pursuing research that utilizes integrative approaches to the study of physiological function and explores the role of feedback regulation in physiological function.

Award: An unrestricted $15,000 award is designated for the use of the awardees in their research programs. Awards do not include any indirect cost reimbursement.

Awards are announced during the APS Business Meeting held at the Experimental Biology '98 meeting. The recipients receive reimbursements for expenses to attend the meeting and certificates recognizing their designation as Arthur C. Guyton Awardees.

Criteria: Individuals must demonstrate outstanding promise based on research programs in feedback, modeling, and/or integrative physiology. Applications will be accepted from Regular Members of APS.

Application Deadline: December 1, 1997

Liaison with Industry Award
Awards will be made to the graduate student and the postdoctoral fellow submitting the best abstract describing a novel disease model.

Awards: $500 to the graduate student. $800 to the postdoctoral fellow. Awards are announced during the APS Business Meeting held at the Experimental Biology '98 meeting.

Abstract Deadline: A copy of the abstract submitted to the Experimental Biology '98 meeting must be sent by December 1, 1997, to the following address: Andrea Ann Seymour, Ph.D., Bristol-Myers Squibb, US Pharmaceutical Group, P13-26, P.O. Box 4500, Princeton, NJ 08543-4500.

For further information about application procedures, contact:
Martin Frank, Ph.D., Executive Director
The American Physiological Society
9650 Rockville Pike, Bethesda, MD 20814-3991 (USA)
(Phone) 301-530-7118 (Fax) 301-530-8305 (E-mail) mfrank@aps.faseb.org
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**Human BACs - Personal Size Release**

A subset of the BAC DNA pools - release IV, these pools are sized just right for individual researchers and small labs. The DNA pools chosen for this set have demonstrated consistent performance in PCR proving to be economical both in cost and practical use. Screening this set will yield, on average, three independent clone addresses. DNA sufficient for 25 PCR reactions at the superpool level is provided.

In addition, high density membranes, which allow for efficient hybridization screening of entire libraries, are also available. Screening these membranes will yield, on average, five independent clone addresses. After spotting and growing, the high density membranes are processed by lysing the colonies and UV bonding the released DNA. Each 22cm x 22cm membrane is double spotted allowing unambiguous clone identification of over 27,000 clones double spotted on a single membrane.

<table>
<thead>
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<th>Catalog No.</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>96011A</td>
<td>Human BAC DNA pools</td>
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<tr>
<td>96055</td>
<td>Set of 4 HD Human BAC Colony DNA Membranes</td>
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**BAC Custom Screening**
Research Genetics’ custom hybridization and PCR screening services locate genomic clones from our human BAC library. To date, over 95% of all custom hybridization screenings have been successful.

- Charge for the basic service for hybridization screening is $1,650 and for screening by PCR is $895.
- Up to 3 clones are included in the screening price. Additional clones may be purchased for $24 each.
- Service is guaranteed - if no clones are located, there is no charge!

**BAC End Sequencing**
Sequencing the ends of BAC clones requires special methods not required for the sequencing of M13 or Plasmids. You can avoid developing these methods by using our new BAC End Sequencing service. The service costs $180 per end. Please e-mail donna@resgen.com for details.

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