

Hellenic Bioscientific Association in the USA

Newsletter

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JANUARY 2011

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As this holiday season has passed, we would like to extend our best wishes for a happy, healthy, and scientifically productive 2011. We hope you will enjoy reading the new developments in our association in this newsletter. It is our hope that you will find its contents intriguing and inspiring. Starting from this issue, we will feature interviews from members of the Advisory Board of the HBA-USA. As part of this interview series, Dr. Gregory Stephanopoulos is the first member of the advisory board to be interviewed, as he also was the winner of the prestigious Carver Award for Innovation. In an effort to further advertise the scientific proceedings of our members, we have initiated a section devoted to news with re-

spect to received awards and other distinctions. Please join us in congratulating Dr. M. Kellis for receiving the presidential PE-CASE award. Also in this issue, a report on the 4th conference of the Global Hellenic Medical and Biosciences Network in New York City, for which HBA-USA participated in the organizing committee. Also, join us in welcoming our newest members including the new local representative in MN. Featured in this issue is an interview with Dr. G. Georgiou, who authored the best peer-reviewed publication in our top10 list. Furthermore, please find in this newsletter news with respect to other activities of our association, such as the Scientist Teaching Exchange Program, the Young



Scientist Placement Program, the creation of a brand-new database which will include opportunities for Grants, Awards, and Fellowships for our members. Finally, please make note of the 2nd Panamerican Meeting of the HBA-USA, which is currently being organized. The 2nd Panamerican Meeting will take place in October, 2011 in New York City.

The Board of Directors

2nd Pan-American Meeting of the HBA-USA

The 1st Panamerican Meeting of the HBA-USA took place in October 2009 at the Harvard School of Medicine in Boston and was attended by almost 100 Bioscientists from 13 states across the U.S. As a follow up to this successful event, we invite you to attend the **2nd Panamerican Meeting** of our association, which will be held at the Alexander S. Onassis Public Benefit Foundation in New York City, on **October, 2011**. The conference will run under the title '**MOVING FROM BASIC TO TRANSLATIONAL RESEARCH VIA NOVEL TECHNOLOGIES**' and will be organized into the following five sessions: a plenary session, which will feature lectures from the authors of the best peer-reviewed articles of our association and four additional sessions entitled '*Cancer and Immunology*', '*Metabolism and Cardiovascular Biology*', '*Novel Technologies and Applications*' and '*Collaborations in Life Sciences: Education and Research in the U.S. and Greece*'. The last session will host talks about educational and research programs in the U.S., as well as collaborative programs established between the U.S. and Greece. More information about the 2nd Panamerican Meeting of our Association will be posted on our website over the next couple of months.

Meet our Advisory Board

GREGORY STEPHANOPOULOS, Ph.D.



Q: Dr. Stephanopoulos, could you please describe your research interests?

A: My research currently focuses on the engineering of microbes to make them capable of overproducing useful chemical and pharmaceutical products. In other words, through the use of applied molecular biological methods and modern genetics, bacteria like *Escherichia coli*, yeasts and other microbes, can be modified into cell factories for the production of such products. This allows production of a broad variety of compounds from renewable resources, such as simple sugars and carbohydrates from cellulosic material. The targeted modification of metabolic pathways enabling microbes to overproduce such products is the essence of Metabolic Engineering. Besides molecular biology and applied biochemistry, it also encompasses principles of thermodynamics and chemical kinetics that allow the dissection of metabolic pathways and identification of rate limiting steps for de-bottlenecking and productivity increases. Metabolic Engineering has been very successful in constructing organisms for the cost-effective production of products like biopolymers, biofuels, and many chemicals (like amino acids, organic acids, nutraceuticals, terpenoids, etc.)

Q: Dr. Stephanopoulos, could you please tell us what is most challenging about working in the area of metabolic engineering?

A: In an area that makes use of fast moving technologies from life sciences it is very hard to identify one that is most challenging. For example, just a few years ago, a major challenge was the availability of genes needed for the construction of biosynthetic pathways. This changed dramatically with the sequencing of genomes that ushered us into an era of just a few genes to lots and lots of genes. Then the focus shifted on the identification of rate-controlling steps, a problem that was also quickly solved with the use of stable isotopic tracers. After that attention turned to the use of combinatorial methods that required high throughput screens that were constructed with microfluidic systems. More recently, chemically synthesized DNA using methods from synthetic biology has opened wide open the incredible potential of heterologous pathways comprising genes from all kingdoms in the production of natural and un-natural products. Not only these methods are creating a new organic chemistry but they are also poised to produce many novel products with far reaching material and pharmaceutical properties.

Q: Dr. Stephanopoulos, you recently received the 2010 George Washington Carver Award for Innovation in Industrial Biotechnology. Could you please tell us what were the important steps that led to this distinction?

A: I suppose our contributions to the foundations of metabolic engineering played an important role in the Committee's decision. An important aspect of this Award is the advancement of a bio-based economy, which critically depends on Metabolic Engineering. In this regard, the G.W Carver Award recognized our pioneering efforts in defining and advancing this field along with a number of convincing examples illustrating the transfer of laboratory advances to the commercial arena.

Q: Dr. Stephanopoulos, could you please tell us how you view the current dynamics of the Hellenic Bioscientific Association in the USA and where you see it evolving within the next years?

A: HBA has grown at a remarkable rate in recent years capturing the strong growth characterizing the broader area of life sciences. It's Board and numerous volunteers have played a pivotal role in this success and ought to be congratulated. However, to sustain this momentum, the organization now needs to articulate clear goals that will capture the imagination and passion of its members in the pursuit of a common agenda. I will not try to define this agenda here as it should be the product of a collective effort. However, I can suggest some parameters that should be part of this discussion, such as, (a) becoming a force for promoting excellence in the Hellenic involvement in the life sciences within and without Greece; (b) cultivating meaningful research interactions and collaborations between Greeks in Greece and the diaspora; (c) rewarding high quality work in all levels and institutions in Greece and abroad, and, (d) playing a constructive role in advancing the role of Greek Universities as engines of intellectual progress and economic development.

DISTINCTIONS & AWARDS

MANOLIS KELLIS, PH.D.



Dr. Manolis Kellis was presented the Presidential Early Career Award for Scientists and Engineers (PECASE) by the president of the United States of America Barack Obama at the White House last month. The PECASE embodies the high priority placed by the government on maintaining the leadership position of the United States in science by producing outstanding scientists and engineers and nurturing their continued development.

The PECASE Awards are intended to recognize some of the finest scientists and engineers who, while early in their research careers, show exceptional potential for leadership at the frontiers of scientific knowledge during the twenty-first century. The Awards foster innovative and far-reaching developments in science and technology, increase awareness of careers in science and engineering, give recognition to the scientific missions of participating agencies, enhance connections between fundamental research and national goals, and highlight the importance of science and technology for the nation's future. The PECASE Award is the highest honor bestowed by the U.S. government on outstanding scientists and engineers beginning their independent careers.



GREGORY STEPHANOPOULOS, PH.D.



The Biotechnology Industry Organization presented the annual George Washington Carver Award for Innovation in Industrial Biotechnology to Dr. Gregory Stephanopoulos, the Willard Henry Dow Professor of Chemical Engineering at Massachusetts Institute of Technology, recognizing his pioneering work in the

field of industrial biotechnology and in particular metabolic engineering and its practical application to indus-

trial processes. The award was presented at a plenary session during the 2010 World Congress on Industrial Biotechnology and Bio-processing, in Washington, D.C.

Dr. Gregory Stephanopoulos, who was also the recipient of the 1st Aristoteles Award from the HBA-USA, was also conferred the E.V. Murphree Award in Industrial and Engineering Chemistry by the American Chemical Society for outstanding research of experimental nature in the fields of industrial chemistry or chemical engineering.



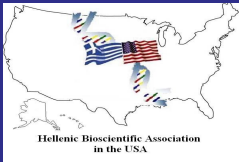
THOMAS SARLIKIOTIS, M.D.

Dr. Thomas Sarlikiotis was awarded the 2010 Basil Boyd Resident Research Award at the 30th Annual Oscar Miller Day Symposium. The title of Dr. Sarlikiotis' presentation was "Sonographic Evaluation of the Median Nerve following Steroid Injection for Carpal Tunnel Syndrome".



KONSTANTINOS HATZISTERGOS, PH.D.

Dr. Konstantinos Hatzistergos' research has been featured on the American Heart Associations' annual list of the top 10 major advances in heart disease and stroke research.



Congratulations
to all!

Refer to the next page to read an interesting interview with Dr Georgiou, about the **No 1 publication** "Monoclonal antibodies isolated without screening by analyzing the variable-gene repertoire of plasma cells"

The best 10 papers published during the period of Jun '10 - Oct '10 by members of the Hellenic Bioscientific Association in the USA as the first, second, or as corresponding last authors, have been posted on the association's website (www.hba-usa.org). This is an effort aiming to highlight and advertise the scientific achievements of the members of the Hellenic Bioscientific Association in the USA.

1. Reddy ST, Ge X, Miklos AE, Hughes RA, Kang SH, Hoi KH, Chrysostomou C, Hunicke-Smith SP, Iverson BL, Tucker PW, Ellington AD, **Georgiou G**: Monoclonal antibodies isolated without screening by analyzing the variable-gene repertoire of plasma cells. *Nat Biotechnol* Sep;28(9):965-9. **IF: 29.495**
2. Leisner M, **Bleris L**, Lohmueller J, Xie Z, Benenson Y: Rationally designed logic integration of regulatory signals in mammalian cells. *Nat Nanotechnol* 2010 Sep;5(9):666-70. **IF: 26.309**
3. Ricklin D, Hajishengallis G, Yang K, **Lambris JD**: Complement: a key system for immune surveillance and homeostasis. *Nat Immunol* 2010 Sep;11(9):785-97. **IF: 26**
4. **Koskinas KC**, Feldman CL, Chatzizisis YS, Coskun AU, Jonas M, Maynard C, Baker AB, Papafaklis MI, Edelman ER, Stone PH: Natural history of experimental coronary atherosclerosis and vascular remodeling in relation to endothelial shear stress: a serial, in vivo intravascular ultrasound study. *Circulation* 2010 Jun 18;121(19):2092-101. **IF: 14.816**
- **Micha R**, Wallace SK, Mozaffarian D: Red and processed meat consumption and risk of incident coronary heart disease, stroke, and diabetes mellitus: a systematic review and meta-analysis. *Circulation* 2010 Jun 1;121(21):2271-83. **IF: 14.816**
5. Zhou J, Tang PC, Qin L, Gayed PM, Li W, Skokos EA, Kyriakides TR, Pober JS, **Tellides G**: CXCR3-dependent accumulation and activation of perivascular macrophages is necessary for homeostatic arterial remodeling to hemodynamic stresses. *J Exp Med* 2010 Sep 06;207(9):1951-66. **IF: 14.609**
6. **Iliopoulos D**, Jaeger SA, Hirsch HA, Bulyk ML, Struhl K: STAT3 activation of miR-21 and miR-181b-1 via PTEN and CYLD are part of the epigenetic switch linking inflammation to cancer. *Mol Cell* 2010 Aug 27;39(4):493-506. **IF: 14.608**
- **Iliopoulos D**, Lindahl-Allen M, Polytarchou C, Hirsch HA, Tschlis PN, Struhl K: Loss of miR-200 inhibition of Suz12 leads to polycomb-mediated repression required for the formation and maintenance of cancer stem cells. *Mol Cell* 2010 Sep 10;39(5):761-72. **IF: 14.608**
7. Dushay J, Chui PC, Gopalakrishnan GS, Varela-Rey M, Crawley M, Fisher FM, Badman MK, Martinez-Chantar ML, **Maratos-Flier E**: Increased fibroblast growth factor 21 in obesity and nonalcoholic fatty liver disease. *Gastroenterology* 2010 Aug;139(2):456-63. **IF: 12.899**
8. **Roukos V**, Misteli T, Schmidt CK: Descriptive no more: the dawn of high-throughput microscopy. *Trends Cell Biol* 2010 Sep;20(9):503-6. **IF: 12.115**
9. Liu B, Bell AW, Paranjpe S, Bowen WC, Khillan JS, Luo JH, Mars WM, **Michalopoulos GK**: Suppression of liver regeneration and hepatocyte proliferation in hepatocyte-targeted glypican 3 transgenic mice. *Hepatology* 2010 Sep;52(3):1060-7. **IF: 10.84**
10. **Kapitsinou PP**, Liu Q, Unger TL, Rha J, Davidoff O, Keith B, Epstein JA, Moores SL, Erickson-Miller CL, Haase VH: Hepatic HIF-2 regulates erythropoietic responses to hypoxia in renal anemia. *Blood* 2010. **IF: 10.555**

Interview with George Georgiou, Ph.D.



Q: Dr. Georgiou, could you give us an introduction of your academic profile?

A: I was trained as a chemical engineer at University of Manchester but then during my doctoral work also in Chemical Engineering I worked on molecular biology of protein secretion of E.coli. It was a great arrangement as I became trained as a molecular biologist and received a degree in chemical engineering which enabled me to get a faculty position in Engineering immediately without having to do a post-doc. I have been at the University of Texas at Austin for 25 years. Currently, 50% of my appointment is in Molecular Genetics and Microbiology, 25% in Chemical Engineering and 25% in Biomedical Engineering. For many years I worked primarily on protein biogenesis and redox homeostasis in bacteria, protein expression and finally the development of HTS screening methodologies. Three years ago we switched almost completely to biologics drug discovery and development. It has been a very rewarding change and I have been learning an enormous amount. I have been fortunate to have exceptional students and postdoctoral fellows. Currently I direct a research team of about 30 people, 60% research professionals and post-docs and 40% Ph.D. students.

Q: Briefly, could you give us a summary of your most important findings with respect to you publication in Nature Biotechnology?

A: The realization that by Next-Generation sequencing of the antibody repertoire in animals or humans, one can obtain deep knowledge of particular aspects of humoral immunity and also can rapidly generate monoclonal antibodies. The latter is important because with our methodology we believe we isolate the clones that comprise the circulating immunoglobulin pool and hence play a significant role in disease protection.

Q: In your study you demonstrate a novel method for monoclonal antibody production. Could this method potentially be used in primates, including humans, as it would allow for the production of fully humanized, highly specific antibodies instead of chimeric recombinant antibodies? What would be the potential pitfalls in such an endeavor?

A: Absolutely. The main advantage is the ability to mine patient's immune responses. For example it may be possible to isolate the antibodies that confer protection against infectious diseases in patients that have overcome an infection.

Q: Could the technology described in your publication potentially be used for both therapeutic and diagnostic discovery?

A: Yes. We hope to have completed a follow up publication that demonstrates these points within the next months.

Q: Do you see this method for production of monoclonal antibodies to be expandable in an industrial scale? How would this method potentially apply to the industry?

A: Industrial production of antibodies is a slightly different and largely solved issue. We –meaning the biotech industry- knows how to produce antibodies quite efficiently. I believe the key to antibody therapeutics is identifying the therapeutically relevant antibodies that have a clinically important effect. We hope our technologies will contribute to that end in a meaningful way.

Thank you very much.

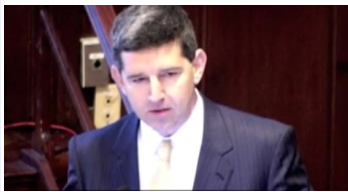
Event in New York City

The 4th conference of the Global Hellenic Medical & Biosciences Network was held in New York City, at the Lenox Hill Hospital on December 4-5. The meeting was held under the auspices of the counsels of the Hellenic Republic and the Cypriot Republic at New York City.



Dr. S. Mezitis
President GHMBN

The HBA-USA, which is participating in the Global Hellenic Medical & Biosciences Network, contributed to the planning and the implementation of the meeting through its president Dr. Thomas Thomou who was a member of the organizing committee.



Dr. G. Tsioulis
President NYHMS

The 4th GHMBN conference was organized into five thematic sessions. The first session was entitled **Metabolic Diseases** and consisted of talks given by Dr. George Bakris of the University of Chicago, Dr. Michael Michelis of Lenox Hill Hospital, Dr. Nicholas Mezitis of Columbia University, Drs. Spyros Mezitis and Helen Karakelides of New York-Presbyterian Hospital, Dr. Ellie Kelepouris of Drexel University, Dr. Alex Spyropoulos of McMaster University, and Dr. Arthur Cosmas of the University of Rhode Island.



Dr. T. Thomou
President HBA-USA

Lectures in the **Cancer session** were delivered by Dr. Konstantinos Arnaoutakis of the University of Arkansas, Dr. Eleni Tousimis of New York-Presbyterian Hospital, Dr. Dimitrios Iliopoulos of Harvard University, and Dr. George Tsioulis of Mt. Sinai Medical Center.

The **Cardiovascular Medicine and Surgery session** included Dr. Elias Iliadis of Cooper University Hospital, Dr. Stylianos Papadakos and Dr. John Stathopoulos of Lenox Hill Hospital, Dr. Nicholas Skipitaris of Mt. Sinai Medical Center and Dr. Konstadinos Plestis of the Lenox Hill Hospital.



Dr. E. Iliadis
President HMSP

The **Neuropsychiatry session** was chaired by Dr. George Alexopoulos of Weill Cornell Medical Center and Dr. Nikolaos Robakis of Mt. Sinai Medical Center in New York were joined by Dr. Angelos Stergiou of Avanex Pharmaceuticals, Dr. Diomedes Logothetis of Virginia Commonwealth School of Medicine and Dr. Paul Kymissis of New York Medical College.

The **Inflammation and Gastroenterology session** was chaired by Dr. Charabos Pothoulakis of the University of California Los Angeles, while Dr. Themistocles Dassopoulos of Washington University School of Medicine and Dr. Grigorios Leontiadis of McMaster University provided the final talks of the scientific program of the conference.



From left to right: Dr. E. Iliadis (president -HMSP), Dr. G Tsioulis (president-NYHMS), Dr. T. Thomou (president-HBA-USA), Mr. P. Kotrotsios (president-HANC), Dr. O. Sarantopoulou (general secretary-SAE), Mrs. K. Sofianou (General Counsel of the Cypriot Republic in NYC), Archbishop Dimitrios of America, Mrs. A. Balta (General Counsel of the Hellenic Republic in NYC), Dr. G. Dan-gas (NYHMS) and Dr. S. Mezitis (president-GHMBN)

The HBA-USA welcomes our new members

Eleni Antoniadou, Ph.D. Candidate, University of Illinois-UIUC

George L. Bakris, Professor, University of Chicago

Zoi Drosatos-Tampakaki, Postdoctoral Research Scientist, Columbia University

Nikolaos Tsirikos-Karapanos, Fellow, Mayo Clinic

Foteini Kouri, Postdoctoral Fellow, Northwestern University

Maria Krevvata, Postdoctoral Research Scientist, Columbia University

● **Eleftheria Letsiou**, Postdoctoral Research Associate, University of Illinois-UIUC

● **Chrysoula Liakou**, PGY-2 resident, University of Kentucky

● **Michail Lionakis**, Assistant Clinical Investigator, NIH

Pavlos Msaouel, Research Associate, Mayo Clinic

Aristotelis Tsirigos, Research Scientist, IBM

Thana Theofanis, Medical Student, Jefferson

Prokopia Verra, Research Scholar, Massachusetts General Hospital

Meet our new local representative in MN

Nikolaos Tsirikos Karapanos, PharmD, MD, PhD, FETCS



Nikolas completed his studies in the National and Kapodistrian University in Athens, Greece in both School of Pharmacy (1991) and School of Medicine (1996). He also received his Ph.D. from the University of Athens in 2006. He is a European Board Certified Cardiovascular Surgeon and a member of numerous scientific societies and networks, including the [cardiothoracic surgeon network](#). From July 2007 he is a Fellow in Cardiovascular Surgery at the Mayo Clinic in Rochester, MN. His research projects focus in coronary flow and cardiac functional geometry during lung transplantation, heart valve surgery, mechanical circulatory support and mathematical models applicable in cardiac surgery.

Scientist Teaching Exchange Program

The HBA-USA announces the launch of the pilot phase of the scientific and educational cooperation program with Universities in Greece (Science Teaching Exchange Program - STEP). The program aims at building a cooperative framework between U.S. and Greek universities and providing opportunities for Greek students seeking graduate education in the U.S.

The Department of Biology at the Aristotle University of Thessaloniki and the Department of Biological Applications and Biotechnology at the University of Ioannina have agreed to participate in the pilot phase of the STEP. According to the plan of cooperation, the host Institutions in Greece will accept professors from US Institutions as visiting professors for a set period of one week

each. The visiting professors will teach classes at both the undergraduate and post-graduate level.

More than 30 professors of Hellenic origin who are faculty members of Universities in the USA have agreed to participate in the program. The lodging of the visiting professors in Greece will be sponsored by the Hellenic Navy Headquarters in Thessaloniki and the University of Ioannina. The Hellenic Bioscientific Association in the USA has raised adequate funds to cover the travel expenses for at least 5 professors. These funds were procured from donations of US-based companies, as well as from individual donations of members of the Greek-American diaspora. After the completion of the pilot phase (summer 2011), the program is intended to be applied to

additional Universities in Greece and Cyprus.

The Hellenic Bioscientific Association in the USA would like to express its gratitude towards the professors who agreed to participate in the program without compensation, the companies and individuals of the Greek-American diaspora who provided funds to cover travel expenses and the Hellenic Navy Headquarters in Thessaloniki and the University of Ioannina for the procurement of lodging.

The Hellenic Bioscientific Association in the USA would like to acknowledge the contribution of [Strategy International](#) and the [World Hellenic Biomedical Association](#) in providing help in logistics and other support.

Young Scientist Placement Program

We would like to inform you that the Student Transfer Program/Young Scientist Placement Program is underway. We have included 8 new positions offered to us by members of the HBA-USA. We are currently

accepting applications and evaluating the completed applications from eligible candidates abroad.

Furthermore, we would like to thank all the participating Scientists who have made the positions

available. As we seek to further expand the program we would be delighted to hear of new available positions that could host promising young scientists from abroad.

Awards, Grants and Fellowships Database

The Hellenic Bioscientific Association has created a database of calls and proclamations for awards and fellowships from trust funds, charities, non profit organizations and foundations. The awards and fellowships presented on our web-page are applicable to scientists conducting basic and translational research and encompasses several fields including Metabolic Diseases, Neurodegenerative diseases and Cancer. For a short description of each award including eligibility criteria, duration of the fellowship, awarded funds, and application deadlines please visit our [web-page](#).

[American Institute for Cancer Research Postdoctoral Awards](#)

[Harry J. Lloyd Charitable Trust Melanoma Research Grant Program](#)

[Mayday Award, The Mayday Fund grant program](#)

[Broad Medical Research Program Inflammatory Bowel Disease Grants](#)

[J.R. Albert Charitable Foundation, Programs in Nutrition, Obesity and Wellness Awards](#)

[Michael J. Fox Foundation Rapid Response Innovation Awards](#)

[Greenwall, The Greenwall Foundation Bioethics Grants](#)

[Lasker Foundation, Lasker Medical Research Grants](#)



If you want to be instantly notified when a new award, grant or fellowship becomes available, please make sure to subscribe to our new awards & fellowships RSS feed in our [webpage](#)

*The Boards of
Directors of
HBA-USA
would like to
wish good luck
to all who will
apply.*

Meet our new Editor

IOANNIS K. ZERVANTONAKIS, M.Sc.



During my pre-doctoral studies I pursued a mechanical engineering diploma from the Technical University of Munich, Germany and the National Technical University of Athens in 2005 and 2006 respectively. In Fall 2007 I moved to Boston to pursue a PhD in Bioengineering at the Massachusetts Institute of Technology in the Mechanobiology laboratory. Prior to coming to Boston, I was working as a research scientist in Ultrasound Elastography at Columbia University on developing biomechanical-based cardiac disease prognostic factors. My research interests include the development of novel assays utilizing microfluidics for monitoring and controlling the cellular microenvironment, with a focus on cancer angiogenesis, biomechanics and metastasis.

Available Positions

Tenure-Track Investigator in Systems Immunology and Infectious Disease Modeling, NIAID, Bethesda, MD

Associate Professor of Environmental Health, The School of Public Health at The University of Memphis, Memphis, TN

Tenured or Tenure-Track Investigator in Social and Behavioral Research Branch, NHGRI, Bethesda, MD

DHAP/ORISE Post-Doctoral Research Fellowship, The Centers for Disease Control and Prevention, Atlanta, GA

Tenure-Track Investigator in the Genetic Disease Research Branch, NHGRI, Bethesda, MD

Assistant and Associate Professors of Biostatistics, The School of Public Health at The University of Memphis, Memphis, TN

Tenured or Tenure-Track Investigator in the Clinical Genetics Branch, DCEG NCI, Bethesda, MD

IOM Program Officer, National Academy of Sciences, Washington, DC

Tenured or Tenure-Track Investigator in the Psychosocial/Behavioral Clinical Genetics Branch, DCEG NCI, Bethesda, MD

Education Coordinator, West Virginia University Research Corporation, Morgantown, WV



If you want to be instantly notified when a position becomes available, please make sure to subscribe to our new positions and openings RSS feed in our [webpage](#). The present postings are a portion of the positions presented in our [webpage](#).

Contact us

2011 Annual Dues Notice

We would like to remind you of the 2011 dues (\$20 for graduate students, \$30 for postdoctoral fellows and \$50 for faculty members). For more information with respect to annual dues payment options please visit our [web-page](#)

Since its creation, HBA-USA has had extremely limited outside financial support. HBA-USA is a member organization entirely supported by member dues in order to implement our association's goals.



Hellenic Bioscientific Association
in the USA

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