



Bach Pharma, Inc.  
Scientific Advisory Board Meeting  
April 8 2011 – April 9 2011  
DAY 1  
Friday, APRIL 8, 2011

The Science Advisory Board meeting will be held at Merrimack College located at 315 Turnpike Street, North Andover, Massachusetts, telephone: 978-837-5119 starting at 8:00 AM on Friday April 8, 2011.

<http://www.merrimack.edu/Pages/home.aspx>

*Non sibi.* Not for self. Paul Revere forged this motto into Andover Massachusetts Phillips Academy's original seal 230 years ago. *Non sibi* is a way of life.

**DAY 1**

**Date:** Friday, April 8, 2011  
**Time:** 8:00 AM – 5:00 PM  
**Location:** Merrimack College  
Sakowich Campus Center, 2<sup>nd</sup> Floor  
Community Dining Room  
315 Turnpike Street, North Andover, Massachusetts 01845, Tel: (978) 837-5119

**8:00 AM - 8:45 AM** SOCIAL INTRODUCTION CONTINENTAL BREAKFAST AT SAKOWICH DINING HALL, 2<sup>ND</sup> FLOOR ADJACENT TO THE COMMUNITY DINING ROOM

**8:45 AM - 9:00 AM** Introduction and Welcome

Steven L. Stroup, MD

Bach Pharma, Inc., Chairman of the Board of Directors

**9:00 AM - 9:15 AM** Opening Remarks - Moderator

Mark O. Henry, CEO

Bach Pharma, Inc.

**9:15 AM - 10:15 AM**

Paul K.Y. Wong, PhD

Professor, The University of Texas, MD Anderson Cancer Center

**ATM null mice**

Genetic knockout

Atm gene

- Ataxia telangiectasia A-T associated neurodegeneration
- A-T associated Lymphoma Mingshan Yan collaboration, UTMDACC
- Neuro stem cell as therapy together with antioxidant to treat A-T and rare genetic childhood diseases Jeesun Kim collaboration, UTMDACC
- Stem cell and gliomagenesis Gilbert Bernier collaboration, U of Montreal

**Texas Cattlemen's Grant**

Gary and Feng Wang Johanning collaboration

**"Transgenic mouse model of breast cancer caused by human endogenous retrovirus"**

**10:15 AM - 10:30 AM** BREAK

**10:30 AM - 11:15 AM** Albee Messing, VMD, PhD

Professor of Neuropathology, University of Wisconsin - Madison

Alexander's disease: Another "Rare Disease" opportunity for GVT

**11:15 AM - 12:00 PM** Gerald S. Shadel, PhD

Professor, Departments of Pathology and Genetics

Yale University School of Medicine

**Ts1 and Atm null mouse models**

Paul K.Y. Wong, PhD collaboration, UTMDACC

- Mitochondrial dysfunction
- MSL treatment

**Yeast Model**

- Aging
- MSL treatment



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12:00 PM - 1:00 PM	<b>LUNCH</b> <b>STUDENT CAFETERIA, ADJACENT TO THE COMMUNITY DINING ROOM, 2<sup>ND</sup> FLOOR</b>
1:00 PM - 1:30 PM	<b><u>SPECIAL GUEST SPEAKER</u></b> <b><u>Susan R. Windham-Bannister, PhD</u></b> Massachusetts Life Sciences Center, <u>first</u> President and CEO nominated by the Board of Directors
1:30 PM - 1:40 PM	<b><u>Lauren Laidlaw, BA</u></b> Director Member Services, Massachusetts Biotechnology Council (MassBio) Cambridge, Massachusetts
1:40 PM – 2:00 PM	<b><u>Imran Nasrullah, MS, JD</u></b> Chief Business Officer, Massachusetts Biotechnology Council (MassBio) Cambridge, Massachusetts Mentoring Program – 3 topics
2:00 PM – 2:45 PM	<b><u>Gilbert Bernier, PhD</u></b> University of Montreal, Center of Excellence for Stem Cell Therapy, Associate Professor Topic: “Aging, neurodegeneration, and molecular regulation of the antioxidant defense system in neurons” <ul style="list-style-type: none"><li>o Specialized Program of Research Excellence (SPORE) NCI/UT MDACC Grant</li><li>o R21 – Targeting Akt and Bmi-1 to inhibit glioma stem cell proliferation and gliomagenesis</li></ul> BMI, p21, cell growth arrest      Paul K.Y. Wong, PhD collaboration, UTMDACC
2:45 PM - 3:15 PM	<b><u>Juliet R. Gionfriddo, DVM, MS, DACVO</u></b> Colorado State University, College of Veterinary Medicine and Biomedical Sciences, Dept. of Clinical Sciences Glaucoma Research, past, present and future Macular Degeneration Followed by Question and Answers
3:15 PM - 3:45 PM	<b><u>James E. Madl, DVM, PhD</u></b> Associate Professor, Colorado State University Pharmacokinetic studies; Dry eye
3:45 PM - 4:00 PM	<b>BREAK QUESTIONS AND DISCUSSION</b>
4:00 PM - 4:15 PM	<b><u>SPECIAL GUEST</u></b> <b><u>Alexander Zhilov</u></b> The Center for Modern Medicine “Medicor”, Moscow, Russia
4:15 PM – 5:00 PM	<b><u>SPECIAL PRESENTATION</u></b> <b><u>Tatiana Grishina, MD</u></b> Moscow State University of Medicine and Dentistry, Professor Chief of Clinical Immunology Department Status of current research in Moscow, Russia Gynecological Studies and Medical Applications Innovative method of applications, including sub-lingual Co-operative Joint Research Opportunities with Bach Pharma, Inc.
5:00 PM - 6:00 PM	<b>RECEPTION – SOCIAL NETWORKING</b> <b>COMMUNITY DINING ROOM, 2<sup>ND</sup> FLOOR</b>
6:30 PM - 8:30 PM	<b>DINNER AT THE CASCIA HALL</b> <b>MEET THE SCIENTISTS</b>



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DAY 2

Date: Saturday, April 9, 2011  
Time: 8:00 AM – 5:00 PM  
Location: Merrimack College  
Sakowich Campus Center, 3<sup>rd</sup> Floor  
Murray Lounge  
315 Turnpike Street  
North Andover, Massachusetts 01845  
(978) 837-5119

*(Continental Breakfast is provided prior to the meeting at Merrimack College Dining Room, 2<sup>nd</sup> Floor, starting at 8:00 AM)*

9:00 AM - 10:00 AM

Peter J. Oates, PhD

President, Oates Biomedical Consulting, LLC

Pfizer, Inc. (retired Nov 2008)

Pfizer Global Research and Development

Department of Cardiovascular, Metabolic and Endocrine Diseases

**Topic: "Chronic Complications of Diabetes: the Pathogenic Role of the Polyol Pathway and Oxidative Stress"**

Data reviewed with include:

**"Genetic deficiency of aldose reductase counteracts the development of diabetic nephropathy in C57BL/6 mice"**, H. Liu & Y. Luo & T. Zhang & Y. Zhang & Q. Wu & L. Yuan & S. S. M. Chung & P. J. Oates & J. Y. Yang, *Diabetologia*, Published Online 27 January 2011

"AR (aldose reductase); a gene linked to a pro-oxidant system that is activated by too much glucose in the diabetic state; KO'ing the gene is protective against key diabetic kidney disease endpoints. Other in press data shows human genetic variants of AR (AKR1B1 gene) comprise one of the strongest known risk factors for human diabetic kidney disease", Dr. Oates comment January 2011 after release of his publication.

**Other Topics: GVT and Potential New Markers for Diabetes Clinical Trials - Keap1, Nrf2, AR, AKR1B1; and implications of Diabetic Retinopathy**

Questions and Discussion

10:00 AM - 10:15 AM

**BREAK QUESTIONS AND DISCUSSION**

10:15 AM - 11:00 AM

**SPECIAL PRESENTATION**

Dr. Tatiana Grishina

Moscow State University of Medicine and Dentistry, Professor

Chief of Clinical Immunology Department

Russian Studies – Diabetes, Cancer Adjunctive Therapies, and other discoveries

11:00 AM - 12:00 PM

Vijay Bhaskar Reddy Pichili, PhD

Florida International University, Assistant Professor

Murine retrovirus ts1 model

- AIDS, AIDS dementia and other oxidative stress mediated neurodegeneration (Parkinson's disease)
- HTLV, HIV-mediated leukemia / lymphoma



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**DAY 2**  
**Saturday, APRIL 9, 2011**

- Pharmacological targeting of transcription factor Nrf2 against retrovirus-mediated and other neurological disease      Vijay Reddy, Florida International Univ.
  - HIV – mother to child transmission via breast milk      Joana Chakraborty collaboration, U of Toledo
- SHIV-infected macaque model**      Pramod N Nehete collaboration, UTMDACC
- HIV-infected human T-cells and GVT treatment**      Pramod N Nehete collaboration, UTMDACC, Virginia Scofield UT San Antonio

**12:00 PM - 1:00 PM      LUNCH**  
**STUDENT CAFETERIA, 2<sup>ND</sup> FLOOR, ADJACENT TO THE COMMUNITY DINING ROOM**

**1:00 PM – 1:30 PM      Joanne M. Ajmo, PhD**  
 Bach Pharma, Inc., Principal Investigator  
 University of South Florida Tampa (USF), Dr. Min You Lab  
**Rat model for Parkinson’s disease**      George Stoica collaboration, Texas A&M

- “Pathogenesis of Parkinson’s disease in a rat model”

Michael J. Fox Foundation, Parkinson’s disease study  
 Metabolic Syndrome; Aging

**1:30 PM -2:30 PM      Kaye H. Kilburn, MD**  
**President, Neuro-test, Inc., USC, Professor, Keck School of Medicine**  
 Multiple Chemical Sensitivity Syndrome (MCSS)  
**Topic: Does an Electron Shunt Revive Neurons**

**2:30 PM – 2:45 AM      BREAK QUESTIONS AND DISCUSSION**

**2:45 PM - 4:00 PM      CLOSING PRESENTATION**  
William S. Lynn, MD  
 Bach Pharma, Inc., Vice President and Director of Science  
 Cato Research, Ltd., Clinical Research Physician  
**Opening Remarks**  
 Bach Pharma’s Prevention Program  
 Attention: how do we draw attention to Bach’s science and discoveries?  
 Monosodium Luminol: the Key to Preventing Redox Metabolic Dystrophy, “RMD”, the most prevalent disease in the world  
**Question and Answer Session**

**4:00 PM - 5:00 PM      Science Advisory Board:**  
**Make Recommendations to the Board of Directors.**

**5:00 PM – 6:00 PM      RECEPTION - SOCIAL NETWORKING**  
**THE PRESIDENTS CONFERENCE ROOM, 3<sup>RD</sup> Floor**

**6:30 PM – 8:30 PM      CASCIA HALL**  
**ANNUAL SHAREHOLDER DINNER, WITH HONORED GUESTS**  
**DINE WITH THE SCIENTISTS**