CALL FOR ABSTRACTS
ORAL & POSTER PRESENTATIONS FOR

2nd Melatonin Research Forum
Melatonin Adventures:
from basic research to clinical use
August 21-22, 2014, Kosa Hotel, Khon Kaen

Melatonin is one of the molecules that has been studied extensively worldwide for almost 60 years. In addition to its well known effect for sleeping aid, by induction of the signal to sleep and entrainment of the circadian rhythm, melatonin also modulates the functions of many other systems. Just like a conductor coordinating an orchestra, melatonin secretion gives “orchestral signals” to other organs in the body to function together properly. Acting as a biological clock and natural antioxidant, melatonin has been studied in many diseases related to oxidative damages, such as cancer, neurodegenerative, inflammatory and immune, and cardiovascular disease, etc.

The focus of the forum will be research in various areas related to melatonin. In particular, current knowledge and progress research of melatonin from basic research to clinical use will be presented in immunomodulation, cancer and neuroendocrine systems. This will be an informal forum with lots of opportunity to discuss results, methods, and how to focus on future research. We will also take this opportunity to use the wealth of experience of our distinguished guests (Prof. Piyarat Govitrapong, Prof. Chandana Haldar and Assoc. Prof. Vijitra Leardkamolkarn) to advise us, give feedback, suggestions, and generally motivate and help us moving toward the goal of real clinical use. Details of our guest speakers are attached below.

The deadline for abstract submission is on 25th July 2014. If you wish to present your work please send an abstract to Mr. Chawapon Pipatwatcharadate (Pipat_cp@hotmail.com). Details for abstract preparation are included below. Your research work does not need to be completed studies; please feel free to present interim results or work in progress, or work about to commence. If you do submit an abstract, it will be selected as a poster or for presentation at one of the short oral presentation sessions. You will be contacted directly from the conference organizer regarding the type of presentation and relevant presentation information in due course. There will be prizes for best oral and best poster presentations.

It is not required for you to submit an abstract to participate in the forum. Please feel free to attend and join our presentations and discussion forum. The official language will be English; translation will be provided with request. Information for registration will be put on the Faculty website shortly (http://pharm.kku.ac.th). The deadline for early registration is on 10th August 2014.

We look forward to welcoming you in 2nd Melatonin Research Forum in August 2014.

Assoc Prof. Nutjaree Pratheepawanit Johns
Director of Melatonin Research Group, Khon Kaen University
Guest Speakers

Prof. Piyarat Govitrapong, Ph.D.(Neuropharmacology), University of Nebraska

Professor of Neuroscience, Department of Pharmacology / Center for Neuroscience, Mahidol University

Prof. Govitrapong received a B.S.(Chemistry) in 1973 from Mahidol University and M.S.(Pharmacology) in 1975. In 1982 she undertook predoctoral training in Neurochemistry at the University of Oslo, Norway. She completed her PhD studies in pharmacology in 1986 at the University of Nebraska, Omaha, U.S.A, studying functional co-transmission in the pineal gland, followed by Postdoctoral Training in 1992 in molecular aspects of opioid receptors in the Department of Pharmacology, University of Minnesota, U.S.A.

She is currently Adjunct Professor of Pharmacology, University of North Dakota Medical School, USA, Professor of Neuroscience, Mahidol, Adjunct Professor of Pharmacology, Faculty of Science, Mahidol, Head of the Center for Neuroscience, Faculty of Science, Mahidol and Chair of the Ph.D. Graduate Program in Neurosciences. In 2011 she was awarded 1st place Outstanding Research Award from the National Research Council of Thailand (NRCT) for a research project titled “Mechanism of amphetamine-induced neuronal death and neurodegeneration”. In 2012 she gained recognition as the Outstanding Scientist Reward recipient from the Foundation for the Promotion of Science and Technology under the Patronage of the Majesty the King, and also the 2012 Outstanding Award from the Faculty of Science Alumni, Mahidol University. This year, she received the Distinguished Research Professor Grant from TRF.

Dr. Govitrapong has been doing melatonin research for more than 30 years. Her research interest also include amphetamine addiction, neurodegenerative diseases (Parkinson, Alzheimer), psychiatric disorders (depression, stress), and neural stem research. She has published over 140 international journal articles and 18 international book chapters in her research area.

Selected Publications


Professor Chandana Haldar, Ph.D. Banaras Hindu University, India

Professor and Head, Pineal Research Laboratory, Department of Zoology, Banaras, Hindu University, Varanasi, India

Professor Chandana Haldar is a graduate of Banaras Hindu University, India. Her research interests focus on the pineal gland and melatonin physiology. The team of Prof. Haldar is engaged in establishing the correlation of melatonin and immunity in small rodents and birds. She established the immunomodulatory and antioxidative nature of melatonin and its receptor expression (MT1 and MT2) in lymphoid tissues in seasonal breeders. Melatonin reduces the immuno- and nephro-toxicity induced by steroids, antibiotics and irradiation (gamma, X-Ray and UV). The results may substantiate their hypothesis that melatonin through its receptor regulates immune responses in order to provide a good health for healthy reproduction.

Professor Chandana Haldar is recipient of the BHU Gold medal in postgraduate study, INSA-young Scientist award (1983; Gazetted Award), UGC-Career Award (1990), and Vigyan Ratna (2006; Gazetted Award). Her work has been recognized by IBRO-UNESCO, Alexander von Humboldt-Germany and JSPS (Japan visiting fellowship/professorship). Her work is supported with 196 publications, 5 books edited and 26 Ph.Ds. She is a member of ten national and six international societies, and she has collaborated with scientists from Poland, Germany, Japan and Italy.

Selected publications


Assoc. Prof. Vijittra Leardkamolkarn, Ph.D. University of Alabama at Birmingham, USA

Department of Anatomy, Faculty of Science, Mahidol University

Assoc. Prof. Vijittra Leardkamolkarn completed her M.Sc. in Cell Biology and Anatomy at Mahidol University in 1976, and was then a predoctoral fellowship in Cell Biology and Anatomy at the University of Alabama at Birmingham, USA, 1985-1989. She completed her PhD there in 1989, and after postdoctoral fellowships at the University of Virginia and University of Alabama at Birmingham, and a visiting research fellowship in the Molecular Virology Unit, Center for Disease Control and Prevention, Colorado, she then returned to a faculty position at Mahidol University.

One of Assoc. Prof. Vijittra's research interests is cell and molecular biology of cancer. She studies the roles of cell-cell and cell-substrate adhesion proteins involved in the process of tumor invasion and metastases. Current investigations are studies on the role of a tumor associated antigens in immunopathogenesis of cancers, the role of intracellular molecules associated with cell-ECM interactions in mediation of tumor progression and the interplay between integrins and MMP activation mechanisms in cancer by using immunolocalization, molecular biology and cell culture approaches. In attempt to inhibit cancers, her research group is experimenting anti-tumor formation, anti-tumor progression and metastasis agents using signaling inhibitors and natural extracts from plants. Additionally, they have currently set up in vitro models for studying and screening of cytotoxicity and genotoxicity effects of natural products used in industry and medicine.

Selected Publications.


Leelawat, K., Watanabe, T., Enjoji, M., Nakajima, M., Tujinda, S., Suthipintawong, C. and Leardkamolkarn, V. Increase serum level of RCAS1 antigen in cholangiocarcinoma patients correlates with tissue level of RCAS1 mRNA and protein expression. J Hepatol, 2003 38:101-101

# 2nd Melatonin Research Forum

**Melatonin adventure:**
from basic research to clinical use
August 21-22, 2014, Kosa Hotel

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| 18:00 – 18:10 | Welcome reception<br>
**Director, Melatonin Research Group, Khon Kaen University<br>Dean, Faculty of Pharmaceutical Sciences, Khon Kaen University** |
| 18:10 – 19:30 | Buffet and poster viewing |
| 19:30 – 20:30 | Opening session<br>
**Chair: Assoc Prof. Nutjaree Pratheepawanit Johns, Melatonin Research Group, Khon Kaen University**<br>**Melatonin and its receptor in immunomodulation<br>Prof. Chandana Haldar, Pineal Research Laboratory, Department of Zoology, Banaras Hindu University, India** |

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<th>Friday, August 22, 2014</th>
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| 08:30 – 10:00 | **Session I: Melatonin adventure in cancer I**<br>
**Chair: Assoc Prof. Somchai Pinlaor, Liver Fluke and Cholangiocarcinoma Research center, Khon Kaen University**<br>**Melatonin in combination with chemotherapy<br>Assoc Prof. Vijittra Leardkamolkarn, Department of Anatomy, Faculty of Science, Mahidol University** |
| 08:30 – 09:00 | **Melatonin in cholangiocarcinoma<br>Assoc Prof. Somchai Pinlaor, Liver Fluke and Cholangiocarcinoma Research center, Khon Kaen University** |
| 09:00 – 09:30 | **Melatonin in cancer patients: what have been published, and what we have experienced<br>Assoc Prof. Nutjaree Pratheepawanit Johns, Melatonin Research Group, Khon Kaen University** |
| 09:30 – 10:00 | Refreshment Break |
| 10:00 – 11:00 | **Session II: Melatonin adventure in cancer II**<br>
**Chair: Assoc Prof. Sahapat Barusrux, Centre for Research and Development of Medical Diagnostic Laboratories, Khon Kaen University** |
10:30 – 10:45  Oral Presentation I
10:45 – 11:00  Oral Presentation II
11:00 – 12:00  Session III: Melatonin adventure in neuroendocrine system
Chair: Dr. Chantana Boonyarat, Melatonin Research Group, Khon Kaen University
11:00 – 11:30  Melatonin in neurodegenerative disease
Prof. Piyarat Govitrapong, Center of neuroscience, Mahidol University
11:30 – 11:45  Oral Presentation III
11:45 – 12:00  Oral Presentation IV
11:50 – 13:00  Lunch Break
13:00 – 14:00  Session IV: Adventure as melatonin derivatives
Chair: Dr. Ploenthip Puthongking, Melatonin Research Group, Khon Kaen University
13:00 – 13:30  Melatonin derivatives: past, present and future
Dr. Ploenthip Puthongking, Melatonin Research Group, Khon Kaen University
13:30 – 13:45  Oral Presentation V
13:45 – 14:00  Oral Presentation VI
14:00 – 15:00  Session V: Poster viewing session
Chair: Assoc Prof. Aroonsri Priprem, Melatonin Research Group, Khon Kaen University
14:00 – 14:10  One-minute overview of poster presentations
14:10 – 15.00  Refreshment Break and poster viewing
15:00 – 16:30  Session VI: More adventure than you can plan
Chair: Dr. Jeff Johns, Melatonin Research Group, Khon Kaen University
15:00 – 15:15  Using molecular dynamics to model niosomes
Dr. Sriprajak Krongsuk, Department of Physics, Faculty of Science, Khon Kaen University
15:15 – 15:30  Oral Presentation VIII
15:30 – 15:45  Oral Presentation IX
15:45 – 16:00  Oral Presentation X
16:00 – 16:30  Session VII: Wrap up session
Chair: Dr. Jeff Johns and Assoc Prof. Nutjaree Pratheepawanit Johns, Melatonin Research Group, Khon Kaen University
16:00 – 16:20  Open Discussion: where should we go from here?
16:20 – 16:30  Oral presentation and Poster presentation awards
Preparation of Abstract for melatonin research forum

First A. Author[1] and Second B. Author Jr.[2]
Business or Academic Affiliation 1, City, State, Zip Code

Third C. Author[3]
Business or Academic Affiliation 2, City, Province, Zip Code, Country

and

Fourth D. Author[4]
Business or Academic Affiliation 2, City, State, Zip Code

These instructions give you guidelines for preparing papers for melatonin research forum. Use this document as a template if you are using Microsoft Word 2001 – 2003. Otherwise, use this document as an instruction set. If you previously prepared an Conference Paper using the Papers Template, you may submit your journal paper in that format with one exception. Not more than 250 words is acceptable.

Key words : (3 – 4 maximum 5)

References

Periodicals

Books

Proceedings

Reports, Theses, and Individual Papers


Always include the citation date for online references. Break Web site addresses after punctuation, and do not hyphenate at line breaks.

**Patents**

Patents appear infrequently. Be sure to include the patent number and date.