

平成17、19、23年度研究助成金受領者の近況 (エジプトより)

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I stayed in Japan for about 7 years as doctor degree candidate followed by 2 years as post-doctor researcher. During this long time I owe much to Professor Kenji Suzuki and all staff members of the department of otolaryngology, Second Hospital, Fujita Health University for their continuous help and support during my stay in Japan. I have learnt many things from him which improved my clinical as well as research skills. I have got also much support the Society for Promotion of International Otolaryngology (SPIO) in Japan. I have got the SPIO scholarship for supporting the foreign researcher 3 times in the years of 2005, 2007 and lastly in 2011. Such research fund helped me in part to conduct my research which was related to the genetics of obstructive sleep apnea syndrome.



During my stay in Japan I have published 2 papers related to this topic with acknowledgements to SPIO. The first paper was published in 2011 in the journal of *SLEEP AND BIOLOGICAL RHYTHMS*. It was related to evaluate the role of Orexin Receptor genes in the pathogenesis of Obstructive sleep apnea. The second paper which published in the April 2012 volume of the *LARYNGOSCOPE*. It was related to evaluate the role of Orexin Gene in the pathogenesis of obstructive sleep apnea through a multistage sequential study.

In the last 2 years of my stay in Japan I have conducted an important research using microarray analysis for studying the gene expression profile from tissues of the oropharynx for further in depth analysis the genetics of the obstructive Sleep apnea. Such research was also supported in part with the SPIO fund.

Now I am preparing the manuscript which will be ready for publication in the near future.

Now I am working as assistant Professor of Otolaryngology in the faculty of Medicine, Sohag University, Egypt. I examine and treat patients in the outpatient clinic and perform many otolaryngology surgeries for the patients in my area. Furthermore, I teach both under and post graduate students in my medical school. Finally I want to say that I really miss both my research and private life in Japan and miss all my colleagues and Professors there.

My daily schedule usually varies from one day to another. My university hospital serves a wide area with a population of about 3 millions citizens. So I have to work at the university hospital for 4 days a week. At outpatient clinic, operative room or examining the patients admitted to our department. We do a lot of surgeries including management of head and neck tumors, middle ear infections, various nasal and paranasal sinuses surgeries and other otolaryngology procedures. In addition to work at university hospital I have to teach both undergraduate and post graduate students in Faculty of Medicine

平成24年度戸田 SPIO 奨学金受領者 (米国より) 東京医科歯科大学 藤川 太郎 氏

私は2010年8月よりアメリカはメリーランド州にある国立衛生研究所 National Institutes of Health の聴覚部門である NIDCD に Visiting fellow として留学中です。こちらに来て2年半が経とうとしておりますが、臨床から離れてマウスと格闘する日々の中、戸田 SPIO 奨学金をいただき大きな励みとなっております。ありがとうございます。

私の所属する研究室は内耳有毛細胞を対象に、聴覚に関わるタンパク質の局在と機能を研究しています。チーフの Kachar 博士は有毛細胞の形態学の第一人者です。去年還暦を迎えられましたが今でも顕微鏡をのぞく毎日、その好奇心とどん欲さ、洞察力は人並みはずれたものを感じます。最近でも tip link のはたらきに重要な Usher protein の局在を、目を見張るほどの美しさで示すなど画期的な仕事をされています。しかしブラジル人気質からか、機嫌の良いときはよくジョークを飛ばしています。私は有毛細胞に発現するさまざまなチャネルの局在を調べるのが仕事で、先日の ARO 学会では ATP チャネルとグルタミン酸受容体について2つの報告をしました。写真はこちらでのメンターの一人である Ron 先生とのツーショットです。グルタミン酸受容体

