

国際交流

自然科学研究機構の各機関は、いずれも国際的研究機関として実績があり、国際交流が盛んに行われている。生理学研究所には外国人客員研究教育職員（客員教授2名、客員研究員2名）のポジションがあり、この制度を利用して世界一流の多くの研究者が共同研究を行っている。外国人客員教授には共同研究の傍ら、若手研究者の教育や研究所の評価活動にも協力していただいている。その他にも日本学術振興会博士研究員等の制度を利用して、外国人研究者や留学生が在籍している。また、近年は総合研究大学院大

学に入学する留学生が次第に増加している。

生理研の主要な国際交流活動としては、生理研国際シンポジウムがあげられる。毎年1ないし2回開催され、平成22年度のシンポジウムで第41回となる。多くの場合生理研教授がオーガナイザーとなり、海外より10-20名、国内からもほぼ同数の当該分野の一流研究者を招聘して行うものである。総参加者は100-150名程度である。また平成20年度より生理研研究会の国際版である国際研究集会が毎年1ないし2回開催されている。

これら以外に、研究者レベルでの国際共同研究が数多く行われている。

1. 外国人研究職員

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|------------------------------|-------------|---------------------|---|---------------------------|
| MA Jianmei | China | Professor | Dalian Medical University | 2008. 9. 2 ~ 2009. 5. 30 |
| ZHOU Shi-Sheng | China | Professor | Institute of Basic Medical Sciences, Medical College, Dalian University | 2009. 2. 3 ~ 2009. 8. 2 |
| BOSCH BAYARD Jorge Francisco | Cuba | Senior Researcher | Cuban Neuroscience Center | 2009. 4. 15 ~ 2009. 8. 14 |
| RUBIO VALERO Maria Eulalia | Spain | Associate Professor | University of Connecticut | 2009. 5. 16 ~ 2009. 8. 16 |
| MERZLYAK Petr | Uzbekistan | Senior Researcher | Academy of Sciences of Uzbekistan | 2009. 6. 4 ~ 2009. 9. 21 |
| SABIROV Ravshan | Uzbekistan | Professor | Academy of Sciences of Uzbekistan | 2009. 6. 4 ~ 2009. 9. 21 |
| HUMBEL Bruno Martin | Switzerland | Associate Professor | Universiteit Utrecht | 2009. 6. 8 ~ 2009. 9. 8 |
| SIGWORTH Frederick John | U.S.A | Professor | Yale University | 2009. 6. 20 ~ 2009. 9. 20 |
| SEDZIK Jan | Poland | Docent | KTH, Royal Institute of Technology | 2009. 8. 11 ~ 2010. 1. 30 |
| SOMOGYI Peter Pal | U.K. | MRC Unit Director | Oxford University | 2009. 9. 6 ~ 2009. 12. 5 |
| ISLAM Md. Rafiqul | Bangladesh | Assistant Professor | Islamic University | 2010. 1. 1 ~ 2010. 12. 31 |
| KIM Seung U. | U.S.A | Professor Emeritus | University of British Columbia | 2010. 2. 1 ~ 2010. 4. 30 |
| PELES Elijor | Israel | Professor | Weizmann Institute of Science | 2010. 2. 4 ~ 2010. 5. 2 |

2. 日本学術振興会関係

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|--------------------------|---------|------------------------|------------------------------------|----------------------------|
| DONG Yulin | China | Lecture | Fourth Military Medical University | 2007. 10. 9 ~ 2009. 10. 8 |
| KIM Sun-Kwang | Korea | Research Fellow | Kyung Hee University | 2008. 10. 1 ~ 2010. 10. 31 |
| BOUDAKA Ammar Abdulkader | Libya | 博士研究員 | 岐阜大学 | 2008. 10. 6 ~ 2010. 10. 5 |
| NYIRI Gabor | Hungary | Senior research fellow | Institute of Experimental Medicine | 2009. 5. 7 ~ 2009. 9. 10 |
| SZABADITS Eszter | Hungary | Ph.D Student | Institute of Experimental Medicine | 2009. 6. 1 ~ 2009. 9. 10 |
| WANG Wen | China | Lecturer | Xi' jing hospital | 2009. 7. 1 ~ 2011. 6. 30 |
| SCHILLER Jackie | Israel | Senior lecturer | Technion Medical School | 2009. 7. 19 ~ 2009. 8. 6 |

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|--------------------|--------|------|-----------|-----------------------|
| KECELI Mehmet Batu | Turkey | 大学院生 | 総合研究大学院大学 | 2009.10.1 ~ 2011.9.30 |

3. 国際シンポジウム

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|-----------------------------------|-------------|------------------------|--|----------------------|
| GRAY Michael | UK | Leader | Institute for Cell and Molecular Biosciences Newcastle University | 2009.7.26 ~ 2009.8.8 |
| BAUMGARTEN Clive | U.S.A | Professor | Virginia Commonwealth University | 2009.8.1 ~ 2009.8.7 |
| ALVAREZ-LEEFMANS Francisco Javier | U.S.A | Professor | Wright State University | 2009.8.1 ~ 2009.8.7 |
| QUINTON Paul | U.S.A | Professor | University of San Diego | 2009.8.1 ~ 2009.8.7 |
| ARREOLA Jorge | Mexico | Associate Professor | University of San Potosi, Institute of Physics | 2009.8.1 ~ 2009.8.8 |
| HEDRICH Rainer | Germany | Professor | University of Wuerzburg Julius-von-Sachs-Institute for Biosciences | 2009.8.2 ~ 2009.8.7 |
| McCARTY Nael | U.S.A | Assistant Professor | Emory University | 2009.8.2 ~ 2009.8.7 |
| MONGIN Alexander | U.S.A | Assistant Professor | Albany Medical College Center for Neuropharmacology and Neuroscience | 2009.8.2 ~ 2009.8.7 |
| KIMELBERG Harold | U.S.A | Professor | Ordway Research Institute | 2009.8.2 ~ 2009.8.7 |
| TILLY Ben | Netherlands | Assistant Professor | Erasmus University Medical Centre | 2009.8.2 ~ 2009.8.7 |
| MINDELL Joseph | U.S.A | Investigator | National Institute of Neurological Disorders and Stroke / NIH | 2009.8.2 ~ 2009.8.7 |
| GALIETTA Luis | Italy | Professor | Gaslini Institute Laboratory of Molecular Genetics | 2009.8.2 ~ 2009.8.7 |
| FRANCO Rodrigo | Mexico | Principal Investigator | CINVESTAV, Mexico, Department of Toxicology | 2009.8.2 ~ 2009.8.7 |
| MADUKE Merritt | U.S.A | Assistant Professor | Stanford University | 2009.8.3 ~ 2009.8.7 |
| ORLOV Sergei | Russia | Professor | M.V. Lomonosov Moscow State University Faculty of Biology | 2009.8.3 ~ 2009.8.7 |
| LANG Florian | Germany | Professor | Eberhard-Karls-University Institute of Physiology | 2009.8.3 ~ 2009.8.7 |
| WEHNER Frank | Germany | Professor | MAX Planck Institute of Molecular Physiology | 2009.8.3 ~ 2009.8.7 |
| VALVERDE Miguel | Spain | Professor | Universitat Pompeu Fabra | 2009.8.3 ~ 2009.8.7 |
| LAMBERT Ian | Denmark | Associate Professor | University of Copenhagen | 2009.8.3 ~ 2009.8.7 |
| FABIAN Anke | Germany | Postdoctoral Fellow | University of Muenster Institute of Physiology II | 2009.8.3 ~ 2009.8.7 |
| HUME Joseph | U.S.A | Professor | University of Nevada | 2009.8.3 ~ 2009.8.7 |
| GRYGORCZYK Ryszard | Canada | Associate Professor | University of Montreal | 2009.8.3 ~ 2009.8.7 |
| PEDERSEN Stine | Denmark | Associate Professor | University of Copenhagen | 2009.8.3 ~ 2009.8.7 |
| HOFFMANN Else | Denmark | Professor | University of Copenhagen Biological Institute | 2009.8.3 ~ 2009.8.7 |
| STRBAK Vladimir | Slovakia | Head | Slovak Academy of Sciences Institute of Experimental Endocrinology | 2009.8.3 ~ 2009.8.7 |

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|------------------|----------|---------------------|---|-------------------------|
| FOSKETT Kevin | U.S.A | Professor | University of Pennsylvania | 2009. 8. 3 ~ 2009. 8. 7 |
| HANRAHAN Jhon | Canada | Professor | McGill University Department of Physiology | 2009. 8. 3 ~ 2009. 8. 7 |
| SEIDLER Ursula | Germany | Professor | Hannover Medical School Department of Medicine | 2009. 8. 3 ~ 2009. 8. 7 |
| RITTER Markus | Austria | Professor | Paracelsus Medical University Institute of Physiology and pathophysiology | 2009. 8. 3 ~ 2009. 8. 7 |
| BEAR Christine | Canada | Professor | Hospital for Sick Childran Research Institute | 2009. 8. 2 ~ 2009. 8. 7 |
| BORTNER Carl | U.S.A | Staff Scientist | The National Institute of Enviromental Health Science (NIEHS/NIH) | 2009. 8. 3 ~ 2009. 8. 7 |
| FALIN Rebecca | U.S.A | Postdoctoral Fellow | Vanderbilt University | 2009. 8. 3 ~ 2009. 8. 7 |
| CHAN Hsiao Chang | HongKong | Professor | The Chinese University of Hong Kong | 2009. 8. 3 ~ 2009. 8. 7 |
| ACCARDI Alessio | U.S.A | Assistant Professor | University of Iowa | 2009. 8. 3 ~ 2009. 8. 7 |
| VARERA Diego | Chile | Assistant Professor | CEMC and ICBM University de Chile | 2009. 8. 3 ~ 2009. 8. 8 |

4. 科学研究費補助金

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|-------------------|---------|---------------------|---|-------------------------|
| REDGRAVE Peter | U.K. | Professor | University of Sheffield | 2009. 7.22 ~ 2009. 8. 6 |
| FERWERDA James A. | U.S.A | Associate Professor | Rochester Institute of Technology | 2009. 7.23 ~ 2009. 7.25 |
| STUTZIN Andres | Chile | Professor | CEMC and ICBM Universidad de Chile | 2009. 7.23 ~ 2009. 8. 6 |
| KAI Kaila | Finland | Research Director | University of Helsinki | 2009. 7.26 ~ 2009. 8.11 |
| NILIUS Bernd | Belgium | Professor | KU Leuven, Department of Physiology | 2009. 8. 2 ~ 2009. 8. 7 |
| CIDLOWSKI John A. | U.S.A | NIH Chief | National Institute of Environmental Health Sciences | 2009. 8. 3 ~ 2009. 8. 7 |
| BLOCK Ned | U.S.A | Professor | New York University Department of Philosophy and Psychology | 2009. 9.11 ~ 2009. 9.21 |
| NIELSEN Morgens | Denmark | Professor | Royal Danish School of Pharmacy | 2009.11.15 ~ 2009.11.25 |

5. 委任経理金

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|---------------------------|---------|--|--|-------------------------|
| ALVAREZ-LEEFMANS Francisc | U.S.A | Professor | Wright State University | 2009. 8. 1 ~ 2009. 8. 7 |
| McCARTY Nael | U.S.A | Associate Professor/Associate Director | Emory University | 2009. 8. 2 ~ 2009. 8. 7 |
| GRAY Michael | U.K. | Reader | Institute for Cell & Molecualr Biosciences, Newcastle University | 2009. 8. 3 ~ 2009. 8. 7 |
| FABIAN Anke | Germany | Researcher | University of Muenster, Institute of Physiology II | 2009. 8. 3 ~ 2009. 8. 7 |
| GRYGORCZYK Ryszard | Canada | Associate Professor | University of Montreal | 2009. 8. 3 ~ 2009. 8. 7 |
| HUME Joseph | U.S.A | Professor | University of Nevada | 2009. 8. 3 ~ 2009. 8. 7 |

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|--------------------------|----------|--------------------------------|---|-------------------------|
| VALVERDE Miguel | Spain | Professor | Universitat Pompeu Fabra | 2009. 8. 3 ~ 2009. 8. 7 |
| LAMBERT Ian | Denmark | Associate Professor | University of Copenhagen | 2009. 8. 3 ~ 2009. 8. 7 |
| WEHNER Frank | Germany | Professor | Max Planck Institute of Molecular Physiology | 2009. 8. 3 ~ 2009. 8. 7 |
| STRBAK Vladimir | Slovakia | Head | Slovak Academy of Sciences, Institute of Experimental Endocrinology | 2009. 8. 3 ~ 2009. 8. 7 |
| LI Da | China | Postgraduate | Dalian University, Medical College | 2009. 8. 3 ~ 2009. 8. 7 |
| GRUBB Soren | Denmark | University Student | University of Copenhagen, Institute of Biology | 2009. 8. 3 ~ 2009. 8. 7 |
| KIRKEGAARD Signe | Denmark | University Student | University of Copenhagen | 2009. 8. 3 ~ 2009. 8. 7 |
| HANSEN Carl | Denmark | University Student | University of Copenhagen, Institute of Biology | 2009. 8. 3 ~ 2009. 8. 7 |
| ALEXANDER Todd | Canada | Assistant Professor | Department of Pediatrics and Physiology University of Alberta | 2009. 8. 3 ~ 2009. 8. 7 |
| BACOVA Zuzana | Slovakia | Post Doctoral Fellow | Slovak Academy of Sciences | 2009. 8. 3 ~ 2009. 8. 7 |
| NAM Joo Hyun | Korea | Post Doctoral Fellow | Yonsei University | 2009. 8. 3 ~ 2009. 8. 7 |
| HUGHES Alexandra | U.K. | Postgraduate | University Of Manchester | 2009. 8. 3 ~ 2009. 8. 7 |
| AZHDARI Zarmehri Hassan | Iran | Associate Professor | Qazvin Medical Science University | 2010. 2.12 ~ 2010. 2.28 |
| Katshu Mohammad Ziaulhaq | India | Senior Resident | Central Institute of Psychiatry | 2010. 2.12 ~ 2010. 3. 1 |
| BUIATTI Tania | Italy | Post Doctoral Fellow | Sissa Cognitive Neuroscience Sector | 2010. 2.13 ~ 2010. 2.27 |
| SHIMITKO Tatiana A | Russia | Researcher | University of Kuopio | 2010. 2.13 ~ 2010. 2.27 |
| MOHAMMED Hisham | India | Postgraduate | National Brain Research Centre | 2010. 2.13 ~ 2010. 2.28 |
| NAG Tapas | India | Associate Professor | All INDIA INSTITUTE OF MEDICAL SCIENCES | 2010. 2.13 ~ 2010. 2.28 |
| CHANG Won Seok | Korea | Postgraduate | Seoul national university | 2010. 2.13 ~ 2010. 3. 1 |
| FENG Xiaoming | China | University Student | Shanghai Medical College, Fudan Fudan University | 2010. 2.14 ~ 2010. 2.26 |
| Wang Xiao Wei | China | Postgraduate | Shanghai Medical College, Fudan University | 2010. 2.14 ~ 2010. 2.26 |
| KWON Soonwook | Korea | Post Doctoral Fellow | Korea University Medical School | 2010. 2.14 ~ 2010. 2.27 |
| WANG Zhijie | China | Postgraduate (Doctor's course) | Institute of Biophysics, Chinese Academy of Sciences | 2010. 2.14 ~ 2010. 2.27 |
| HU Yao | China | Postgraduate | Nanjing Medical University, School of Pharmacy | 2010. 2.14 ~ 2010. 2.27 |

6. 受託研究

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|----------------------|-----------|---------------------|---|-------------------------|
| Davis Karen D | Canada | Professor | University Health, Toronto Western Hospital | 2009. 7.25 ~ 2009. 8. 7 |
| MOORHOUSE ANDREW | Australia | Senior Lecturer | University of New South Wales | 2009. 8.18 ~ 2009. 9.29 |
| LAU Hakwan | U.S.A | Assistant Professor | Columbia University Psychology Dept. | 2009. 9.16 ~ 2009. 9.23 |
| Sooksawate THONGCHAI | Thailand | Associate Professor | Chulalongkorn University | 2009.10.17 ~ 2009.11.15 |

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|-------------------------|----------|---------------------|---|-------------------------|
| ZALC Bernard | France | Director | Institut National de la Sante et de la Recherche Medicale | 2009.11.22 ~ 2009.12. 6 |
| QIU Yunhai | China | Postdoctor fellow | University of Michigan Medical School | 2009.12.17 ~ 2009.12.18 |
| WANG Xiaohong | China | Lecturer | CHINA Medical University The First affiliated Hospital | 2009.12.17 ~ 2009.12.19 |
| NGUYEN Thi Binh | Vietnam | Lecturer | Hanoi Medical University | 2009.12.17 ~ 2009.12.20 |
| LAM Kahn | Vietnam | Associate Professor | Tran Hung Dao Hospital | 2009.12.17 ~ 2009.12.20 |
| XIANG Jing | China | Lecturer | Cincinnati Childrens Hospital Medical Center | 2009.12.17 ~ 2009.12.20 |
| BAIG Deeba Noreen | Pakistan | Assistant Professor | University of the Punjab | 2010. 1.23 ~ 2010. 6.29 |
| MARTINEZ Hernandez Jose | Spain | Research Fellow | Univesity of Lyon | 2010. 1.29 ~ 2010. 6.28 |
| YOON Bo Eun | Korea | Ph.D Student | Korean Institute of Science and Technology | 2010. 2.28 ~ 2010. 6.28 |

7. 特別訪問研究員

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|---------------------------|-----------|--------------------------|-------------------------------------|-------------------------|
| Johan Medina | Peru | 産学連携特別研究員 | 豊橋技術科学大学 | 2009. 5. 1 ~ 2010. 3.31 |
| MOORHOUSE Andrew John | Australia | Senior Lecturer | University of New South Wales | 2009. 8. 1 ~ 2009.10.13 |
| Hassan Ahmed Ahmed | Egypt | Assistant Lecturer | South Vally University | 2009. 8. 3 ~ 2010. 3.31 |
| 魏 睦新 | China | Professor | Nanjing Medical University | 2009. 9.22 ~ 2009.10.20 |
| DONG Yulin | China | Lecture | Fourth Military Medical University | 2009.10. 9 ~ 2010. 3.31 |
| Oksana Kaidanovich-Beilin | Canada | Post-doctoral Researcher | Samuel Lunenfeld Research Institute | 2010. 3.19 ~ 2010. 3.31 |

8. 特別協力研究員

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|----------------|-------|-----|--------|-------------------------|
| Akhilesh Kumar | India | 研究員 | 生理学研究所 | 2010. 1. 1 ~ 2010. 1.15 |

9. 招へい研究員

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|------------------------------|------------|--------------------|---|-------------------------|
| LEE Psyche | U.S.A | Research Assistant | Duke University Department of Neurobiology | 2009. 4.10 ~ 2009. 4.23 |
| HALL William C. | U.S.A | Professor | Duke University Department of Neurobiology | 2009. 4.10 ~ 2009. 4.23 |
| TOYCHIEV Abduqodir | Uzbekistan | Senior Researcher | Dept. of Biophysics of the National University of Uzbekistan | 2009. 6. 2 ~ 2009. 7. 3 |
| SANCHES-Vives Maria Victoria | Spain | Professor | Institucio Catalana de Recerca i Estudis Avancats | 2009. 6. 5 ~ 2009. 6. 5 |
| KURBANNAZAROVA Ranokhon | Uzbekistan | Senior Researcher | National University of Uzbekistan | 2009. 7. 3 ~ 2009. 9. 4 |
| CHIU Wah | U.S.A | Professor | Baylor College of Medicine National Center for Macromolecular Imaging | 2009. 7. 5 ~ 2009. 7. 7 |
| MOORHOUSE Andrew John | Australia | Senior Lecturer | University of New South Wales, Sydney, Australia School of Medical Sciences | 2009. 8. 6 ~ 2009.10.15 |

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|---------------------|-------|------------------------|---|-------------------------|
| MCLEAN David | U.S.A | Assistant Professor | Northwestern University Department of Neurobiology and Physiology | 2009. 9.13 ~ 2009. 9.26 |
| PFAFF Donald | U.S.A | Professor | The Rockefeller University | 2009. 9.15 ~ 2009. 9.19 |
| PUIG Maria Victoria | U.S.A | Postdoctoral associate | Th Picower Institute For Learning and Memory | 2009.10.29 ~ 2009.11.11 |
| MCLAMB William | U.S.A | Graduate Student | Florida Institute of Technology Dept .of Biological Sciences | 2010. 1. 9 ~ 2010. 1.23 |
| KILDUFF Thomas | U.S.A | Senir Director | Center for Neuroscience Biosciences Division | 2010. 1.30 ~ 2010. 2.12 |

10. 中国政府派遣研究員

| 氏名 | 国名 | 職名 | 所属 | 期間 |
|---------|-------|----|---------------------------|-------------------------|
| FAN Kai | China | | Dalian Medical University | 2008.10. 1 ~ 2009. 9.30 |

International Exchanges

Each of the NINS institutes is an internationally recognized research center, and international exchanges are performed flourishingly. NIPS has the positions of foreign research staff (2 visiting professors and 2 visiting research fellows), and many world first-class researchers have made research collaboration using this system. Besides research collaboration, visiting professors contribute to education of young researchers and evaluation of institutional activities. In addition, using the systems such as JSPS postdoctoral fellows, foreign researchers and graduate students conduct research works at NIPS. Recently, an

increasing number of foreign graduate students enter SOKENDAI.

One of the main international exchange activities at NIPS is international symposium. It is held once or twice a year, and the symposium this year will be the 41st. Usually, a NIPS professor becomes an organizer, and 10-20 top researchers from abroad and a similar number of top domestic researchers are invited. The number of participants is around 100-150. In addition, the international workshop, which is an international version of NIPS research meetings, started in FY2008 and is held once or twice a year.

Besides these, many international collaborations are performed at the researcher level.