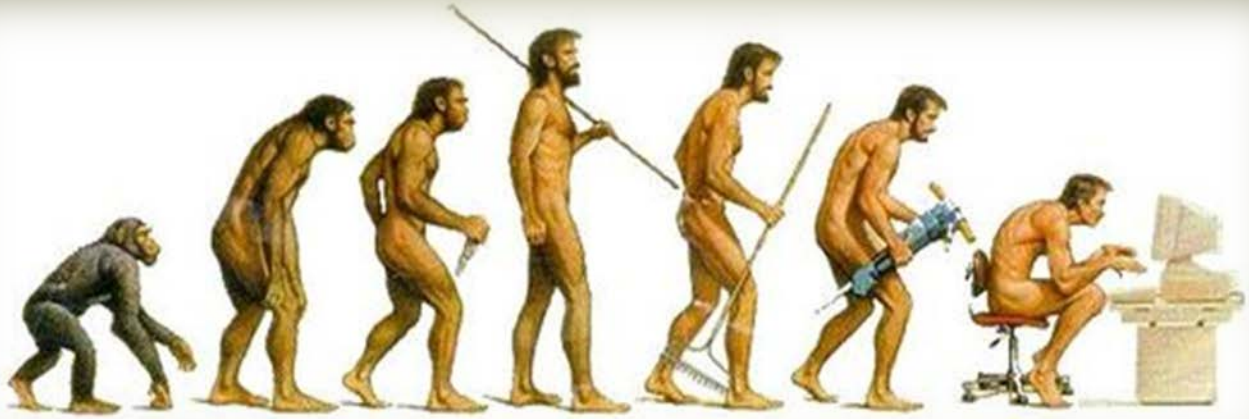
文部科学省平成27年度
科学技術人材育成費補助事業
ダイバーシティ研究環境実現
イニシアティブ（特色型）



How Humans Evolved Supersize Brains
-The Growth of the Brain-

開催日時：2016年3月28日（月） 15：30-20：00
開催場所：日医工オーディトリアム
富山大学杉谷キャンパス医薬イノベーションセンター1階
座長：富山大学医学部心理学教室　松井三枝
参加費：無料　一般公開

主催　　富山大学
事務局　富山大学大学院医学薬学研究部(医学)
　　心理学・認知神経科学教室
〒930-0194 富山市杉谷2630
川﨑裕香子、平岩明子
E-mail ：medpsych@las.u-toyama.ac.jp

☐15:30-15:35　開会の挨拶(松井　三枝)

☐15:35-15:40　開催にあたって(森　寿:研究・国際交流担当副医学部長)

☐15:45-17:10　若手研究者の研究報告　～Grow Up From Baby To Adult～

座長:大石　健一、酒井　朋子

1)Early Assessment of Brain by MRImaging Segmentation in Small-for-gestational-age Infants
(SGA児における脳MRIによる早期評価)
富山大学附属病院　周産母子センター　診療助手　川﨑　裕香子

2) Mapping the Dynamics of White Matter Development in Preterm- born Neonate
Research associate, Department of Radiology Johns Hopkins University　Dan　Wu

3) Neurodevelopmental Outcomes in Children with Congenital Heart Disease　(心疾患児の発達)
富山大学医学薬学教育部(博士課程)生命・臨床医学専攻　平岩　明子

4) Imaging of cortical development and microstructure using high-resolution diffusion MRI
Assistant Professor Department of Radiology and Radiological Science, Johns Hopkins University
Manisha　Aggarwal

5) Amide Proton Transfer (APT) and Magnetization Transfer (MT) MR Imaging of Pediatric Brain Development
Instructor of MR Research Faculty, Johns Hopkins University　Yi　Zhang

6) The structural development of Broca's area (ブローカ野の構造発達)
富山大学医学薬学研究部　心理学教室　研究員　高橋　芳雄

7) Orbitofrontal sulcogyral pattern and olfactory sulcus depth in the schizophrenia spectrum
(統合失調症スペクトラム障害における眼窩前頭皮質の脳溝脳回パターンと嗅溝の深さ)
富山大学大学院医学薬学研究部　神経精神医学講座　助教　西川　祐美子

☐17:10-17:30　コーヒーブレイク　Frontiers, Dreams, and Challenges 2016　パネル贈呈式

☐17:30-17:40　招待講演開催にあたって(遠藤 俊郎:富山大学長)

☐17:40-19:40　招待講演　～From Monkey Brain to Human Brain～

座長:松井　三枝、山下　晶子

1) Phylogeny and ontogeny of the primate brain (霊長類脳の系統発生と個体発生)
日本大学医学部　一般教育学系生物学分野　准教授　山下　晶子

2) Brain Development and somatic growth: what supported the evolution of brain
(脳の成長と身体の成長:ヒトの脳の進化を支えるもの)
京都大学霊長類研究所　形態進化分野　教授　濱田　穣

3) Mapping Evolution and Development of the Primate Brain by Neuroimaging Techniques　(ヒトの脳はどのように大きくなったのか:ニューロイメージングによる霊長類の脳構造の進化・発達 機構の探究)
慶應義塾大学医学部生理学教室　特任助教　酒井 朋子

4) Quantitative measurement of the brain development using MRI
Assistant Professor Department of Radiology, Johns Hopkins University　Kenichi Oishi

☐19:40-19:45　閉会の挨拶(市田　蕗子:富山大学男女共同参画推進室)


山下　晶子


濱田　穣


酒井　朋子


大石　健一

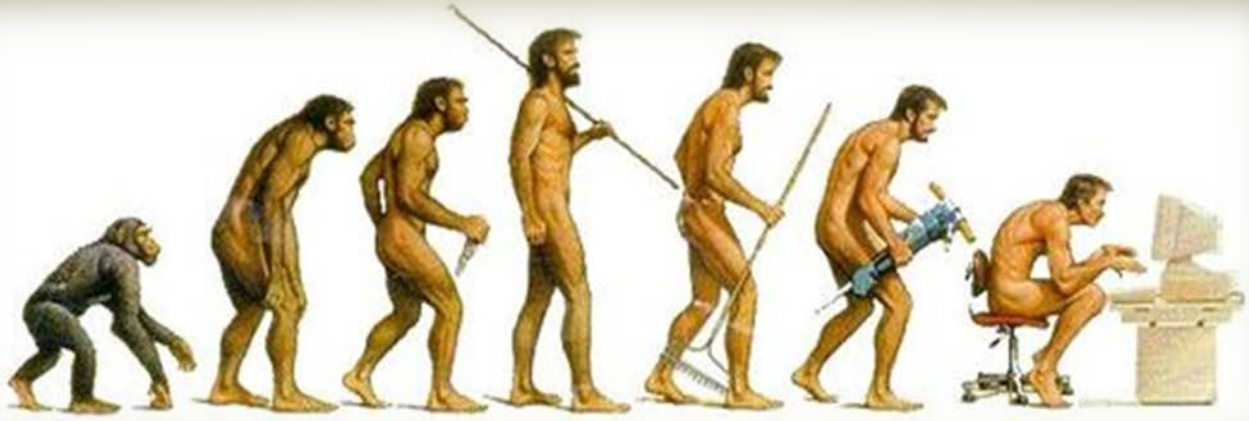

Dan　Wu


Manisha　Aggarwal


Yi　Zhang

Initiative for Realizing Diversity in the Research Environment

UNIVERSITY OF TOYAMA



How Humans Evolved Supersize Brains
-The Growth of the Brain-

Date : March28(MON) ,2016　15:30-20 : 00

Venue : Nichi-Iko Auditorium

Toyama University 2630 Sugitani, Toyama-shi, Toyama 930-0194, Japan

Chairman: Mie Matsui

Associate Professor, University of Toyama Department of Psychology

Free entry, Open to the General Public

Host Organization　University of Toyama
Secretariat　University of Toyama　Department of Psychology
2630 Sugitani, Toyama-shi, Toyama 930-0194, Japan
Yukako Kawasaki, Akiko Hiraiwa
E-mail : medpsych@las.u-toyama.ac.jp

☐15:30-15:35 **Opening Remarks by Mie Matsui**

☐15:35-15:40 **Opening words by Hisashi Mori**

☐15:45-17:10 **Young Researchers Program ～Grow Up From Baby To Adult～**

Session chair: Kenichi Oishi, Tomoko Sakai

1)Early Assessment of Brain by MRImaging Segmentation in Small-for-gestational-age Infants
Division of Neonatology, Maternal and Perinatal Center, Toyama University Hospital, Clinical Research Associate
Yukako Kawasaki

2) Mapping the Dynamics of White Matter Development in Preterm- born Neonate
Research associate, Department of Radiology Johns Hopkins University
Dan Wu

3) Neurodevelopmental Outcomes in Children with Congenital Heart Disease
Student, Department of Pediatrics, Graduate School of Medicine and Pharmaceutical Science, University of Toyama
Akiko Hiraiwa

4) Imaging of cortical development and microstructure using high-resolution diffusion MRI
Assistant Professor Department of Radiology and Radiological Science, Johns Hopkins University
Manisha Aggarwal

5) Amide Proton Transfer (APT) and Magnetization Transfer (MT) MR Imaging of Pediatric Brain Development
Instructor of MR Research Faculty, Johns Hopkins University
Yi Zhang

6) The structural development of Broca's area
Research associate, Department of Psychology, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama
Michio Takahashi

7) Orbitofrontal sulcogyral pattern and olfactory sulcus depth in the schizophrenia spectrum
Research associate, Department of Neuropsychiatry, Graduate School of Medicine and Pharmaceutical Science, University of Toyama
Yumiko Nishikawa

☐17:10-17:30 **Coffee Break**

☐17:30-17:40 **Opening Speech by Shunro Endo (TOYAMA University President)**

☐17:40-19:40 **Invited lectures ～From Monkey Brain to Human Brain～**

Session chair: Mie Matsui, Akiko Yamashita

1) Phylogeny and ontogeny of the primate brain
Associate Professor, Department of Medicine, School of Medicine, Nihon University
Akiko Yamashita

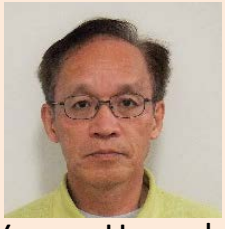
2) Brain Development and somatic growth: what supported the evolution of brain
Professor, Department of Evolution & Phylogeny Morphology Section, Kyoto University
Yuzuru Hamada

3) Mapping Evolution and Development of the Primate Brain by Neuroimaging Techniques
Project Instructor, Department of Physiology, School of Medicine, Keio University
Tomoko Sakai

4) Quantitative measurement of the brain development using MRI
Assistant Professor Department of Radiology, Johns Hopkins University
Kenichi Oishi

☐19:40-19:45 **Closing Remarks by Fukiko Ichida**


Akiko Yamashita


Yuzuru Hamada


Tomoko Sakai


Kenichi Oishi


Dan Wu


Manisha Aggarwal


Yi Zhang