BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Zhong, Kai eRA COMMONS USER NAME	POSITION TITLE Professor Chief, MRI Section High Magnet Field Laboratory (HMFL), CAS		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Peking University, Beijing, China State University of New York at Stony Brook	BSc. Ph.D.	1992 2001	Chemistry Physical Chemistry

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B. Positions and Honors

- 2000-2002 Research Assistant, Medical Department, Brookhaven National Lab
- 2002-2005 System Manager, Beijing MR Center for Brain Research, Key Lab of Cognitive Science, CAS
- 2005-2007 Research Fellow, Department of Diagnostic Radiology, University Hospital Freiburg, Germany
- 2007-2009 Staff scientist (Deputy of Chair), Department of Biomedical Magnetic Resonance Otto-von-Guericke University Magdeburg, Germany
- 2010-present Professor, Chief, MRI Section, High Magnetic Field Laboratory, CAS
- 2012-present Adjunct Professor, University of Science and Technology of China
- 2014-present Member, Center for Excellence in Brain Science and Intelligence Technology (CEBSIT), CAS
- 2016-present Director, Key Lab of Anhui Province for High Field Magnetic Resonance Imaging

Honors and Awards

- 2008 NeuroImage Editors' Choice Award (Methods & Modeling), Human Brain Mapping Society
- 2017 Distinguished Achievement Award, CAS (major participant)

Membership on any federal government funding agency and advisory Committee

- Member, International Society of Magnetic Resonance in Medicine (ISMRM) (1997-present)

C. Patent

- Kai Zhong, Honyi Yang. "RF coil for MRI" (Chinese Patent 201710191106.8 /PCT)
- Kai Zhong, Jinyong Xu, "Transparent formulae, processing, and immunostaining methods for biological tissues" (Chinese Patent 201710083178.0/PCT)

D. Funding Support

EU (€300 K)

European Union sponsored CBBS NeuroNetwork project (Saxon-Anhalt), Germany

DFG (€150 K) **Zhong K. (Role: Co-Pl)** Awarded Period: 2010.1 – 2012.12 "High Field MR Spectroscopy Study in Depression", Germany

CAS (¥3 M)Zhong K. (Role: PI)Awarded Period: 2011.01 – 2013.12Hundred Talents Program, CAS "High Field Magnetic Resonance Imaging of Large Mammalians"

U1232212 (¥2.4 M) **Zhong K. (Role: Pl)** Awarded Period: 2013.01 – 2016.12 NNSF Key Project "High Field Development and Applications of Novel MRI Methodology for Large Mammalians"

2014FXZY004 (¥950 K) **Zhong K. (Role: PI)** Awarded Period: 2015.01 – 2016.12 Key Project, Hefei Physical Science and Technology Center "Development of 9.4T Optogenetic fMRI and Application in Neuronal Network"

2016YFC1300500 (¥500 K) **Zhong K. (Participant)** Awarded Period: 2016.09 – 2020.12 MOST, "Pathogenesis of Cerebral Small Vessel Diseases and Key Diagnostic Technologies"

91649101 (¥700 K) **Zhong K. (Role: PI)** Awarded Period: 2016.09 – 2020.12 Key Research Program, NNSF "In vivo MRI Detection of Early Aging in Brain Tissues at 9.4 T"

2016HSC-IU013 (¥260 K) **Zhong K. (Role: PI)** Awarded Period: 2016.07–2017.06 Advanced User Projects, Hefei Large Scientific Facility, CAS "MRI Study of Neuronal Development at High Field"

YZJJ201702 (¥2 M) **Zhong K. (Role: PI)** Awarded Period: 2017.03 – 2019.02 Special Funding Support, Hefei Institutes of Physical Science, CAS "fMRI Study of Awake Monkey at 9.4 T"

2018YFE0205700 (¥8.39 M) **Zhong K. (Role: Pl)** Awarded Period: 2019.08 – 2024..07 MOST, "9.4 T High Field MRI Based on NonLinear Gradients"

CAS Service & Upgrade Project (¥10.39 M) **Zhong K. (Role: PI)** Awarded Period: 2020.1 – 2022.12 "Advanced Upgrade of 9.4 T 40 cm MRI system"