

Curriculum Vitae



Personal details:

First name: Aiguo

Last name: Chen

Address: No.196, Huayang West Road, Hanjiang District, Yangzhou, Jiangsu, China

Phone: +86 0514-87978013

Date of birth: August 10, 1978

Place of birth: Peixian, China

Email: agchen@yzu.edu.cn

Present Position:

- Dean of College of Physical Education, Yangzhou University
- Professor
- Head of Institute of Sports, Exercise and Brain, Yangzhou University

Research Interest:

- Physical Exercise and Development of Brain and Mind
- Theory and Practice in Sport and Exercise Psychology

Education:

1999.9 - 2003.6

- Yangzhou University College of Physical Education
- Bachelor of Education

2003.9 - 2006.6

- Yangzhou University College of Physical Education
- Master of Science

2008.9 - 2011.6

- Beijing Normal University School of Physical Education and Sports Science

- Doctor of Philosophy in Education

Professional Experience:

2010.5 - 2010.12

- State key laboratory of cognitive neuroscience and learning, Beijing normal university
- Academic Research

2014.2 - 2014.8

- University of Illinois at Urbana Champaign
- Senior Visiting Scholar

2006.9 - 2012.7

- Yangzhou University
- Instructor

2012.7 - 2017.7

- Yangzhou University
- Associate Professor

2017.7 - On-going

- Yangzhou University
- Professor

List of Publications:

- [1] **Chen A G.** Innovation of physical education from the perspective of Neuroeducational[M]. Beijing: Educational Science Publishing house, 2016.
- [2] **Chen A G, Yan J, Yin H C.** The physical activity programmers to improve children's executive function: development and practice[M]. Changsha: Hunan People's Publishing Press, 2015.
- [3] **Chen A G, Yin H C.** Exercise, children's executive function and brain plasticity[M]. Beijing: Beijing Sport University Press, 2011.
- [4] Yang S X, Liu Z M, Xiong X, Cai K L, Zhu L N, **Chen A G.** Effects of Mini-Basketball Training Program on Social Communication Impairment and

- Executive Control Network in Preschool Children with Autism Spectrum Disorder[J]. International Journal of Environmental Research and Public Health, 2021, 18(10).
- [5] Lina Zhu, Xuan Xiong, Xiaoxiao Dong, Yi Zhao, Adam Kawczyński, **Aiguo Chen**, Wei Wang. Working memory network plasticity after exercise intervention detected by task and resting-state functional MRI[J]. Journal of sports sciences, 2021: 1-12.
- [6] Kelong Cai, Qian Yu, Fabian Herold, Zhimei Liu, Jingui Wang, Lina Zhu, Xuan Xiong, **Aiguo Chen**, Patrick Müller, Arthur F. Kramer, Notger G. Müller and Liye Zou. Mini-Basketball Training Program Improves Social Communication and White Matter Integrity in Children with Autism[J]. Brain sciences, 2020, 10:803.
- [7] Xuan Xiong, Li-Na Zhu, Xiao-xiao Dong, Wei Wang, Jun Yan, and **Ai-Guo Chen**. Aerobic Exercise Intervention Alters Executive Function and White Matter Integrity in Deaf Children: A Randomized Controlled Study[J]. Neural Plasticity, 2018, 2018.
- [8] **Chen A G**, Zhu L N, Xiong X, et al. Acute aerobic exercise alters executive control network in preadolescent children[J]. Revista de psicología del deporte, 2017, 26(4).
- [9] **Chen A G**, Zhu L N, Yan J, et al. Neural basis of working memory enhancement after acute aerobic exercise: fMRI study of preadolescent children[J]. Frontiers in psychology, 2016, 7: 1804.
- [10] **Chen A G**, Yan J, Yin H C, et al. Effects of acute aerobic exercise on multiple aspects of executive function in preadolescent children[J]. Psychology of Sport and Exercise, 2014, 15(6): 627-636.

Research Projects Led:

1. **Title:** The Brain Network Mechanism of Aerobic Exercise Promoting Executive Function in Children

Host institution: Yangzhou University

Source of funding: The National Natural Science Foundation of China

Start and end date: 2018.1.1 - 2021.1.1

Project ID: 31771243

- Title:** Effects of Aerobic Exercise on Plasticity of Executive Function in Children: A Multimodal Magnetic Resonance Imaging Study

Host institution: Yangzhou University

Source of funding: The National Natural Science Foundation of China

Start and end date: 2014.1.1 - 2016.12.1

Project ID: 31300863

- Title:** The Effect of Exercise Intervention to Promote the Executive Function in Primary School Students: Theory Construction and Program Development

Host institution: Yangzhou University

Source of funding: National Social Science Fund of China

Start and end date: 2012.12.1 - 2015.10.1

Project ID: CLA120162

- Title:** The Effect of Aerobic Exercise on Executive Function in Children: A Multimodal Magnetic Resonance Imaging tracking study

Host institution: Yangzhou University

Source of funding: Fok Ying Tong Education Foundation

Start and end date: 2014.3.1 - 2017.2.1

Project ID: 141113

Prizes and Awards:

- Type of prize/award:** Grand prize

Place: Jiangsu, China

Year: 2021

Description: Basic Education Teaching Achievement Award of Jiangsu Province

- Type of prize/award:** First prize

Place: Jiangsu, China

Year: 2020

Description: The 16th Outstanding Achievement Award of Philosophy and Social

Science of Jiangsu Province

3. **Type of prize/award:** Second prize

Place: Jiangsu, China **Year:** 2018

Description: The 15th Outstanding Achievement Award of Philosophy and Social
Science of Jiangsu Province

4. **Type of prize/award:** Second prize

Place: Jiangsu, China

Year: 2018

Description: Teaching and Research Achievement Award of Jiangsu Province