



Associate Professor Dr. Fuquan LU
Director of Kinesiology Laboratory of PKU
Department of Physical Education and Sport Science,

Address: Wusi Sports Center,
Department of Physical Education and Sport Science
Peking University
5#, Yiheyuan Rd.
Beijing, China
100871

Office Telephone: +86 10 62750626

Cellphone: +86 13911997612

Email: lfq@pku.edu.cn

BIO

Academic Appointments

- Associate Professor of Department of Physical Education and Sport Science (2008-), Peking University (PKU)
- Assistant Professor of Department of Physical Education and Sport Science (2003-2008)

Administrative Appointments

- Sport presentation Manager, Table tennis event, Peking University Gymnasium, 2008 Beijing Olympic Games and Paralympic Games (2007-2008).
- Director of Kinesiology Laboratory(2010-)

Honors and Awards:

- 29th Academic challenge competition, 1st place(2021)
- Yangfuqing Teaching fellowship of PKU(2017)
- *Smart physical education system* won the second place in 2016 *intel* University electronic imbedded software Challenge (2015-2016);
- 12th teaching techniques competition, 3rd place. (October, 2012) ;
- Shuren Teaching fellowship(2010);

- 3th teaching techniques Competition, 3rd place. (October, 2003)

Professional Education

- Bachelor in Science: Department of physical Therapy and rehabilitation, Shanghai Sports University (1994-1998)
- Master in Education: School of kinesiology, Shanghai Sports University (1998-2001)
- Ph.D.: Institute of population study, Peking University (2005-2010)
- Visiting Scholar: Institute of sport science, Humboldt University in Berlin, Germany (2011-2012) Research Center for Sport Medicine in Berlin, Germany (2011-2012)
- Visiting Scholar: Department of Psychiatry, Yale University, USA(2017-2018). Connecticut Mental Health Center(2017-2018)

RESEARCH AND SCHOLARSHIP

Research Interests:

- Physical Activity, Diet and Population Health

Dr. Lu's primary research interests focus on the association between Physical Activity, diet and health issues in all life spans, targeting on different population and topics, especially concerned with maternal and infant health. Perinatal PA and diet measurements and evaluation, their impacts on adverse birth outcome, and their prevention and treatments for maternal and infant diseases, such as, overweight or obesity during pregnancy and gestational diabetes mellitus, are specific topics. These research interests are also represented the research topics of "*Physical activity, diet and health promotion research center in PKU*".

- Cycling Research

As the Deputy Secretary General of Chinese University Cycling Association (CUCA), and director of research committee of CUCA, Dr' LU share his research interests in cycling epidemiology and cycling economics, exploring population based cycling program and cycling health economic assessment tools (HEAT).

- Applied information Science and Engineering Science in Sports

These research interests and work based on the kinesiology teaching and research job. The teams interests now focus on the smart wearing device development and test, for cycling, swimming, running and racquet sports, which attract most population in China. The projects currently running are multidiscipline projects with school of information science, engineering science, and environment science;

Research Projects

- Perinatal Physical activity and adverse birth outcome in reproductive age women. National social Science foundation. (2011-2018)
- Measurement, Evaluation and intervention of Chronic disease based on exercise and diet health one package system. Education found of Peking University (2011-2013)

- Human action recognition study and application in University physical education with motion capture system based on Inertial sensors. Inter-lab foundation in Peking University (2015-2016)
- Human action recognition study with motion capture system based on Inertial sensors. Peking University lab projects foundation (2015-2016)
- None body contact human body circumstance measurement base on the smart phone.(2015-2016)
- Applied research of mobile phone and internet in the promotion of national fitness. Peking University exercise and diet research foundation. (2011-2014);
- Physical activity, diet and spontaneous abortion; Sub projects of National Ministry of science and technology project 973(2010-2012) :
- The Association of Physical activity and diet pattern with adverse maternal and infant outcome. Peking University President foundation (2009-2010)
- Investigation on the influence of Practicing Taichi on Cognitive Function in the aged. (2017-2018, in Yale University)
- Cycling Education MOOC and guest lectures net-work. Peking University Teaching reform fellowship.(2019-2021)
- VR campus cycling tour and cycling safe education system. Peking University Laboratory teaching fellowship.(2020-2021)
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Academic Activities

- Organizing Bilateral academic seminar between Department of medicine engineering, Yonsei University (South Korea) and Department of Physical Education and sports science, Peking University, collaboration Memorandum signed. November 2019 in Beijing.
- Organizing Bilateral academic seminar between School of sport science, Waseda University and institute of sport science, Peking University, collaboration Memorandum signed. March 2015 in Tokyo and September 2015 in Beijing.
- Visiting Swiss federation technique University, member of *International alliance of research university* (IARU), attending seminar for graduate degree education in sport science. May, 2015, Zurich
- Visiting Copenhagen University, member of IARU, attending bilateral seminar on graduate degree education in sport science. May, 2015, Zurich.
- Visiting Tokyo University, member of IARU, attending bilateral seminar on graduate degree education in sport science. May, 2015, Tokyo.
- Initiating for Sports Platform and Collaboration Strategy in IARU: A Proposal from Peking University, IARU Presidents' Meeting, Tokyo, Japan, 2015/3
- Bilateral academic collaboration seminar in institute of sport, policy and leisure study, Cologne sport University and department of PE and sport science, Peking University. Collaboration Memorandum signed. April in 2014, Cologne and October in 2014, Beijing.

- Bilateral academic collaboration seminar in institute of sport and health science, Munich Technique University and department of PE and sport science, Peking University. Collaboration Memorandum signed. June in 2013, Munich and October in 2014, Beijing.
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TEACHING

For undergraduates:

- Tennis (2001-),
- Adapted Physical Education (2002-2011, 2020-)
- Health Education(Lecture for Freshman and sophomore, 2001-)
- Nutrition, Exercise and weight losing (2004-)
- Physical Activity, Diet and Reproductive Health (Spring compact course, Institute of sport science, Humboldt University, 2012);
- Traditional Chinese Body Exercise, Diet and Health Preservation (Summer School International, PKU, 2014-)
- Cycling Education (2019-)

For graduates:

- Exercise and health science (2007-)
- Adapted Experiments in Kinesiology for exercise and health science (2010-)

PUBLICATION

Journals and proceedings (selected)

- Kahar Abula, Jürgen Beckmann, Zhongkai He, Chengwa Cheong, Fuquan Lu, Peter Gröpel. Autonomy support in physical education promotes autonomous motivation towards leisure-time physical. Health Promotion International 11/2018; 35(1).
- Li Ning, Lu Fuquan, Service, education or research-function of sports in world top universities, ICEMIS, 2016/9, Santos, Brazil
- Chen Jing, Fu Xiaoqing, Huang Yu, Che Lei, Lu Fuquan, Human action recognition study with motion capture system based on Inertial sensors, ICEMIS, 2016, Santos, Brazil
- Lu Fuquan, Li Ning, From soccer school to campus soccer-the transition of government policy for youth soccer from 1994-2014 in China, 8th WSCF, Copenhagen, Denmark
- Liu J, Sekine M, Tatsuse T, Fujimura Y, Hamanishi S, Lu FQ, ZhengX. Outdoor Physical Activity and Its Relation With Self-Reported Health in Japanese Children: Results From the Toyama Birth Cohort Study. Child: Care, Health & Development. June, 2015.
- Lu Fuquan, Chenhe, Peilijun, Zheng Xiaoying. Physical Activity and pregnant outcome. Chinese Public health. 2012:Vol28(9), p1252-1255
- Lu Fuquan, Chenhe, Pei Lijun, Zheng Xiaoying, The Association of Social Economic Status during pregnancy and birth weight. Chinese Family Planning. 2012:vol.20(10), p667-670

- Lu Fuquan, Metering analysis of sport science literature from the view of interdisciplinary, Journal of sports science, 2007:VOL14(7),P46-50.

Monograph (Chinese publication in English titles)

- Lu Fuquan, The association of Physical activity, diet pattern and adverse maternal and infant outcome. Golden light Academic Press, Germany. October, 2016.
- Lu Fuquan, 10 minutes Encyclopedia for Tennis, Modern Education Press. Jua. 2008. Beijing.
- Zhong Binshu, Yu lixian, Lu Fuquan, Successful coaching, Beijing Sport University Press. May 2007, Beijing (interpreting 5 chapters in Part 4);
- Lu Fuquan, He Zhonghui, sport and health care, sport press for publics, August 2006, Beijing. (editor of chapter 1,2,4,5)

SERVICE

Titles in society

- Deputy Secretary General, Chinese University Cycling Association (2015-)
- Member of scientific committee of Europe Cycling Federation (2013-)
- Chairman, Faculty cycling association of Peking University (2015-)
- Chairman, Faculty tennis Association (2004-);

Competition and Events

- Chinese Team Leader, 7TH World University Cycling Championship, March 2016 (Taigaytai, Philippine)
- Chinese Team Leader, 1ST Asian University Cycling Championship, Oct. 2015 (Changning Korea)
- Participation LIFE CYCLE program in Europe (2011-2012, sponsor Adidas)
- Cycling investigation in Germany, program director (2011-2012, sponsor UCC)
- University cycling festival for the youth of Taiwan and Beijing, program director. (2011);
- Cycling around Taiwan, team leader of Peking University and Chinese mainland University federation (2010-2012);

Academic Travel History

Germany (2011-2012)

Norway, France, Italy, Spain, Portugal, Hungary, Czech (2011-2012)

Austria (2012,2013),

Denmark (2011, 2013)

Japan (2015)

South Korea (2016)

Philippine (2016)

USA(2017-2018)

Canada(2017-2018)

Travelling With – please include names of everyone you plan to travel with to UK

My wife: Yan LIU

My son: Yi LU