

Name

- Chia-Hung Hsieh

Title

- Associate Professor



Contact

- Office: Cancer Center Building 7F, China Medical University Hospital, 91 Hsueh-Shih Road, Taichung 40402, Taiwan, ROC.
- Tel: +886-4+ 22052121 ext. 7712
- E-mail: chhsiehcmu@mail.cmu.edu.tw

Resume

- Education

* National Yang Ming University and Academia Sinica Taipei, Taiwan

2003-2007 Ph.D., Molecular Medicine

Ph.D., Development of Biomedical Imaging and
Radiological Sciences

*National Yang Ming University Taipei, Taiwan

2001-2003 Master of Science, Institute of Radiological Sciences

- Experiences:

*Armed Forces Taichung General Hospital Taichung, Taiwan

1999-2001 Second lieutenant of medical officer, Department of

Radiology

* Academia Sinica

2007-2008

Post doctoral fellow, NRPGM Molecular-Genetic
Imaging Core

Specialty

- Molecular Imaging
- Molecular Medicine
- Molecular Cell Biology
- Nuclear Medicine
- Tumor Biology
- Radiation Biology
- Radiation Science

Research Field of Interest

- Molecular Imaging
- Molecular Therapy
- Tumor microenvironment
- Stem cell biology

Publications

(*corresponding author)

SCI journals:

Hsieh CH*, Lin YJ, Wu CP, Lee HT, Shyu WC*, Wang CC*. Livin contributes to tumor hypoxia-induced resistance to cytotoxic therapies in glioblastoma multiforme. Clin Cancer Res. 2015;21(2):460-70. IF=8.738, R/C=12/213, ONCOLOGY.

Chen PJ, Kang YD, Lin CH, Chen SY*, **Hsieh CH***, Chen YY*, Chiang CW, Lee W, Hsu CY, Liao LD, Fan CT, Li ML, Shyu WC*. Multitheragnostic Multi-GNRs Crystal-Seeded Magnetic Nanosearchin for Enhanced In Vivo

Mesenchymal-Stem-Cell Homing, Multimodal Imaging, and Stroke Therapy. *Adv Mater.* 2015;27(41):6488-95. IF=18.96, R/C=5/271, MATERIALS SCIENCE.

Chou CW, Wang CC, Wu CP, Lin YJ, Lee YC, Cheng YW, **Hsieh CH***. Tumor cycling hypoxia induces chemoresistance in glioblastoma multiforme by upregulating the expression and function of ABCB1. *Neuro Oncol.* 2012;14(10):1227-38. IF=7.37, R/C=9/192, CLINICAL NEUROLOGY.

Lin CH, Chiu L, Lee HT, Chiang CW, Liu SP, Hsu YH, Lin SZ, Hsu CY, **Hsieh CH***, Shyu WC*. PACAP38/PAC1 signaling induces bone marrow-derived cells homing to ischemic brain. *Stem Cells.* 2015;33(4):1153-72. IF=5.902, R/C=14/161, BIOTECHNOLOGY& APPLIED MICROBIOLOGY.

Chen HC, Chang HT, Huang PH, Chang MD, Liu RS, Lin YJ, **Hsieh CH***. Molecular Imaging of Heparin Sulfate Expression with Radiolabeled rECP Predicts Lung Allergic Inflammation in a Mouse Model for Asthma. *J Nucl Med.* 2013;54(5):793-800. IF=5.849, R/C=3/124, RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING.

Hsieh CH*, Wu CP, Lee HT, Liang JA, Yu CY, Lin YJ. NADPH oxidase subunit 4 mediates cycling hypoxia-promoted radiation resistance in glioblastoma multiforme. *Free Radic Biol Med.* 2012;53(4):649-58. IF=5.784, R/C=37/289, BIOCHEMISTRY& MOLECULAR BIOLOGY.

Hsieh CH*, Shyu WC, Chiang CY, Kuo JW, Shen WC, Liu RS. NADPH oxidase subunit 4-mediated reactive oxygen species contribute to cycling hypoxia-promoted tumor progression in glioblastoma multiforme. *PLoS One.* 2011;6(9):e23945. IF=3.057, R/C=11/63, MULTIDISCIPLINARY SCIENCES.

Hsieh CH*, Chang HT, Shen WC, Shyu WC, Liu RS. Imaging the impact of Nox4 in cycling hypoxia-mediated U87 glioblastoma invasion and infiltration. *Mol Imaging Biol.* 2012;14(4):489-99. IF=2.569, R/C=38/124, RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING.

Chen WL, Wang CC, Lin YJ, Wu CP, **Hsieh CH***. Cycling hypoxia induces chemoresistance through the activation of reactive oxygen species-mediated B-cell lymphoma extra-long pathway in glioblastoma multiforme. *J Transl Med.* 2015;13:389. IF=3.64, R/C= 30/124, MEDICINE, RESEARCH & EXPERIMENTAL.

Book:

1. Chia-Hung Hsieh , Positron Emission Tomography - Current Clinical and Research

Aspects , InTech , 2012.2. ISBN 978-953-307-824-3,

<http://www.intechopen.com/books/positron-emission-tomography-current-clinical-and-research-aspects>