**연구책임자 이력서**

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| **1. 기본정보** | | | | | |
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| **2. 학력정보** | | | | | |
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| 1993년 3월부터  2000년 2월까지 | | 서울대학교 | | 물리 | |
| 2000년 9월부터  2005년 2월까지 | | Massachusetts Institute of Technology | | Radiological Science and Technology (RST) | |

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| **3. 경력정보** | | |
| **3-1. 근무경력** \*필요한 경우 칸 추가하여 작성 | | |
| **기간** | **소속** | **직위** |
| 2000년 3월부터  2000년 6월까지 | Seoul National University General Hospital | Intership |
| 2000년 9월부터  2005년 2월까지 | Massachusetts Institute of Technology | Graduate research assistant |
| 2005년 5월부터  2007년 2월까지 | Schlumberger Doll Research | Postdoctoral research scientist |
| 2007년 2월부터  2007년 7월까지 | Martinos center for Biomedical Imaging | Postdoctoral research scientist |
| 2007년 7월부터  2008년 10월까지 | Sloan-Kettering Insititute | Postdoctoral research fellow |
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| 2010년 3월부터  현재까지 | 울산과학기술원 | 부교수 |
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| **Professional Experience and Education**   * *Principle Investigator (2010-present), NeuroImaging Lab @ UNIST* * *Dean of Admissions and Student Affairs (May 2019-Aug 2020)* * *Dean of Admissions and Student Affairs (Jan. 2016-Jan 2018)* * *Associate Professor (Sep. 2014-present): Tenured since Mar 2019*   Biomedical Engineering, UNIST   * *Assistant Professor (2010-2014)*   Nano-Bio science and Chemical Engineering, UNIST   * *Tool Physicist (Nov. 2008- Dec. 2009)*   Schlumberger Technology Center, Sugar Land, TX   * *Post-Doctoral Researcher (Jul. 2007-Oct. 2008)*   Sloan Kettering Institute, with Dr.Jason Koutcher   * *Post-Doctoral Researcher (Feb. 2007- Jul.2007)*   Martinos Center for Biomedical Imaging, with Dr. Jerry Ackerman and Dr. Yiqiao Song   * *Post-Doctoral Researcher (May. 2005- Feb.2007)*   Schlumberger Doll Research, with Dr. Yiqiao Song   * *Massachusetts Institute of Technology (Sep. 2000- Feb. 2005)*   2005 Ph. D. in Radiological Science and Technology with Dr. David Cory   * *Seoul National University (1993-2000)*   2000 B. S. in Physics  **@ UNIST**  **[2021]**  [70] Jang MJ, Han SH, and Cho H , "D\* from diffusion MRI reveals correspondence between ventricular cerebrospinal fluid volume and flow in the ischemic rodent model" revised for Journal of Cerebral Blood Flow & Metabolism  [69] Cho HP, Lee HS, Kong YR, Kim, YR, Cho JH, and Cho H , "Quantitative susceptibility mapping (QSM) and R 1 measurement: determination of myelin volume fraction in aging ex vivo rat corpus callosum", NMR in Biomedicine, DOI: 10.1002/nbm.4645 (2021)  [68] Lee H, Cho H, Lee M, Kim TH, and Lee JH , "Differential effect of iron and myelin on susceptibility MRI in the subdivisions of substantia nigra", Radiology, DOI:10.1148/radiol.2021210116 (2021)  [67]  Han S, Eun S, Cho H, Uludaǧ K, and Kim SG , "Improvement of sensitivity and specificity for laminar BOLD fMRI with double spin-echo EPI in humans at 7 T", NeuroImage, DOI:10.1016/j.neuroimage.2020.118435 (2021)  [66] Kang MS, Jin SH, and Cho H, "MRI investigation of vascular 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Lett., 369, 311-317 (2003)**  **Invited talks @ UNIST**    **Cho H, “Quantitiative and functional imaging of microvasculature with extravascular and intravascular contrast agent” , 실험동물학회, Yongpyung, Korea, Jan 2015**  **Cho H, “Quantitiative and functional imaging of microvasculature with extravascular and intravascular contrast agent” , KSMRM, Seoul, Korea, Mar 2014**  **Cho H, “Quantitiative and functional imaging of microvasculature” , Korean Chemical Society Meeting, Changwon, Korea, Oct 2013**  **Cho H, “Quantitiative and functional imaging of microvasculature” , IBS workshop, Suwon,Korea,Oct 2013**  **Cho H, “Quantitiative imaging of microvasculature” , Korean Society of Magnetic Resonance in Medicine (KSMRM12) , Seoul, Korea , APR, 2013**  **Cho H, “Quantitiative imaging of susceptibility induced gradients” , Korean Society of Magnetic Resonance in Medicine (KSMRM11) , Seoul, Korea , APR, 2012**  **Cho H, “Quantitative in vivo imaging of tumor microenvironments” , International Symposium on Analytical Science and Technology , Daejeon, Korea, NOV, 2011**  **Cho H, “Quantitative imaging of tumor microenvironments” , Biochip 2011 , Ulsan, Korea, NOV, 2011**  **Cho H, “Quantitative imaging of tumor microenvironments” , Korean Society of Magnetic Resonance in Medicine (KSMRM11) , Seoul, Korea , OCT, 2011**  **Cho H, “Compressed Sensing acceleration of diffusion propagator measurements and DCE-MRI” , International Conference in Magnetic Resonance Microscopies (ICMRM11) , Beijing, China , AUG, 2011**  **Cho H, “Imaging tumor microenvironments”, Inaugural international symposium of C5 center, Ulsan, Korea, MAR, 2011**  **Book chapters**  **[2] Song Y-Q, Sigmund EE and Cho H**  **“Multiple echo magnetic resonance”, in “Magnetic Resoance Microscopy” , Wiley-VCH, Weinheim, Germany, p31 (2008)**  **[1] RYU S, ZHAO W, LEU G, SINGER PM, CHO H and KEEHM Y,**  **“Numerical Modeling of Complex Porous Media for Borehole Applications”, in ” Advances in Computed Tomography for Geomaterials” , Wiley, p304 (2010)**  **Conference proceedings**    **[5] Quan TM, Han S, Cho H, Jeong WK**  **“Multi-GPU Reconstruction of Dynamic Compressed Sensing MRI”,**  **Medical Image Computing and Computer-Assisted Intervention—MICCAI 2015, 484-492**  **[4] Ren XH, Cho H and Song Y-Q**  **“Measurements of Diffusion, T1 and T2 in one shot by MMME sequence”, Diffusion Fundamentals, 10, 11.1-11.3 (2009)**  **[3] Sigmund EE, Regatte R, Schweitzer M, Cho H , and Song Y-Q**  **“In vivo imaging of signal decay due to diffusion in the internal field in human knee trabecular bone”, Diffusion Fundamentals, 10, 18.1-18.3 (2009)**  **[2] Cho H, Ryu S, Ackerman JL, and Song Y-Q**  **“Characterizing internal magnetic field in porous media”, in Proceedings of MRPM 9 conference in AIP proceedings, 1081, p95 (2008)**  **[1] Ramanathan C, Cho H, , Cappellaro P, Boutis GS and Cory DG**  **“Exploring large nuclear spin systems in the solid state using NMR”, in Proceedings of the 6th international conference on Quantum communication, measurements and Computing, Eds. 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| **4. 교육이수이력정보** \*생명윤리 관련 온라인 또는 오프라인 교육 사항 기재 | | |
| **일시** | **교육명** | **주관기관** |
| 2021년 5월 16일 | [온라인] 윤리적 연구 수행을 위한 인체유래물연구자 교육  [온라인] 윤리적 연구 수행을 위한 인간대상연구자 교육  [온라인] 연구자가 알아야할 기관위원회 심의와 과제관리 | 보건복지부 지정 국가생명윤리정책원 |

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| **5. 기타(자격사항 등)** | |
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