



• **Name:** Yoon-Seok Chung

• **Current Position:**

Deputy Director

Division of Viral Diseases, Center for Laboratory control Infectious Diseases,  
Korea Disease Control and Prevention Agency

• **Country:** Korea

• **Educational Background:**

- March 2, 1999 – February 22, 2002

Doctor of Philosophy, Department of Life Science,  
College of Natural Science, Chung-Ang University, Seoul, Korea

- March 2, 1997 - February 22, 1999

Master of Science, Department of Biology, College of Natural Science,  
Chung-Ang University, Seoul, Korea

- March 2, 1993 - February 22, 1997

Bachelor of Science, Department of Biology, College of Natural Science,  
Chung-Ang University, Seoul, Korea

• **Professional Experience:**

- July, 2017 – Current:

Deputy Director, Division of Viral Diseases,  
Korea Centers for Disease Control and Prevention

- August, 2012 – July 2017:

Researcher (Staff Scientist), Division of AIDS  
National Institute of Health, Korea Centers for Disease Control and Prevention

- August 17, 2009 – June 30, 2012:

Post doctoral fellow, Division of Infectious Diseases, Feinberg School of Medicine,  
Northwestern University, Chicago, USA

- February 1, 2002 – August 10, 2009:

Researcher (Staff Scientist), Division of Influenza and Respiratory Viruses,  
National Institute of Health, Korea Centers for Disease Control and Prevention

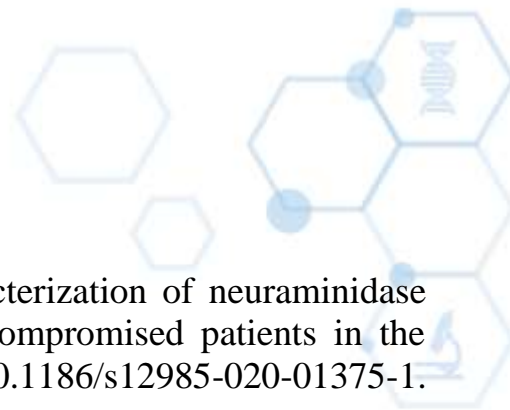
• **Professional Organizations:**

- The Korean Society of Virology, regular member since 1999

- The American Society for Virology, full member since 2012

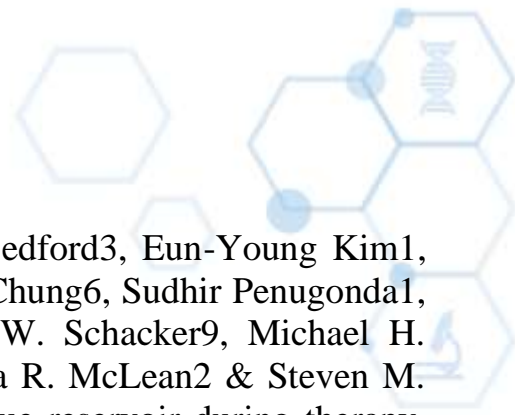
- The Korean Society of AIDS, regular member since 2012

- The International Society of Respiratory Viruses, regular member since 2017



### • Main Scientific Publications:

1. Kim HM, Lee N, Kim MS, Kang C, **Chung YS**. Characterization of neuraminidase inhibitor-resistant influenza virus isolates from immunocompromised patients in the Republic of Korea. *Virology*. 2020 Jul 6;17(1):94. doi: 10.1186/s12985-020-01375-1. PMID: 32631440; PMCID: PMC7338124.
2. Sung H, Han MG, Yoo CK, Lee SW, Chung YS, Park JS, Kim MN, Lee H, Hong KH, Seong MW, Lee KH, Chun S, Lee WG, Kwon GC, Min WK. Nationwide External Quality Assessment of SARS-CoV-2 Molecular Testing, South Korea. *Emerg Infect Dis*. 2020 Jul 29;26(10). doi: 10.3201/eid2610.202551. Epub ahead of print. PMID: 32723432.
3. Yoo M, Seong J, Yoon JG, Cha JO, Chung YS, Kim K, Kee MK. Characteristics of Adolescents and Young adults with HIV in the Republic of Korea from 2010 through 2015. *Sci Rep*. 2020 Jun 10;10(1):9384. doi: 10.1038/s41598-020-66314-0. Erratum in: *Sci Rep*. 2020 Aug 4;10(1):13420. PMID: 32523123; PMCID: PMC7287062.
4. Kim JM, Chung YS, Jo HJ, Lee NJ, Kim MS, Woo SH, Park S, Kim JW, Kim HM, Han MG. Identification of Coronavirus Isolated from a Patient in Korea with COVID-19. *Osong Public Health Res Perspect*. 2020 Feb;11(1):3-7. doi:10.24171/j.phrp.2020.11.1.02. PMID: 32149036; PMCID: PMC7045880.
6. Kim JY, Ko JH, Kim Y, Kim YJ, Kim JM, Chung YS, Kim HM, Han MG, Kim SY, Chin BS. Viral Load Kinetics of SARS-CoV-2 Infection in First Two Patients in Korea. *J Korean Med Sci*. 2020 Feb 24;35(7):e86. doi: 10.3346/jkms.2020.35.e86. PMID: 32080991; PMCID: PMC7036338.
7. Kim JS, Jang JH, Kim JM, Chung YS, Yoo CK, Han MG. Genome-Wide Identification and Characterization of Point Mutations in the SARS-CoV-2 Genome. *Osong Public Health Res Perspect*. 2020 Jun;11(3):101-111. doi: 10.24171/j.phrp.2020.11.3.05. PMID: 32528815; PMCID: PMC7282418.
8. Kim JM, Kim HM, Lee EJ, Jo HJ, Yoon Y, Lee NJ, Son J, Lee YJ, Kim MS, Lee YP, Chae SJ, Park KR, Cho SR, Park S, Kim SJ, Wang E, Woo S, Lim A, Park SJ, Jang J, Chung YS, Chin BS, Lee JS, Lim D, Han MG, Yoo CK. Detection and Isolation of SARS-CoV-2 in Serum, Urine, and Stool Specimens of COVID-19 Patients from the Republic of Korea. *Osong Public Health Res Perspect*. 2020 Jun;11(3):112-117. doi: 10.24171/j.phrp.2020.11.3.02. PMID: 32528816; PMCID: PMC7282421.
9. Yoon-Seok Chung, Ju-Yeon Choi, Myoung-Su Yoo, Jae Hyun Seong, Byeong-Sun Choi, Chun Kang. Phylogenetic transmission clusters among newly diagnosed antiretroviral drug-naïve patients with HIV-1 in Korea: a study from 1999 to 2012. *PLoS ONE* 14(6):e0217817 (2019 June).
10. Yoon-Seok Chung, Jeong Min Kim, Heui Man Kim, Kye Ryeong Park, Anna Lee, Nam-Joo Lee, Mi-Seon Kim, Jun Sub Kim, Chi-Kyeong Kim, Jae In Lee, Chun Kang. Genetic Characterization of Middle East Respiratory Syndrome Coronavirus, South Korea, 2018, *Emerg Infect Dis*. 2019 May. <https://doi.org/10.3201/eid2505.181534>
11. Yoon-Seok Chung, Ju-yeon Choi, Myung Guk Han, Kye Ryeong Park, Su-Jin Park, Hyerim Lee, Youngmee Jee, Chun Kang. A Large Healthcare-Associated Outbreak of Hepatitis C Virus Genotype 1a in a Clinic in Korea. *Journal of Clinical Virology* (2018) <https://doi.org/10.1016/j.jcv.2018.07.006>



13. Ramon Lorenzo-Redondo<sup>1\*</sup>, Helen R. Fryer<sup>2\*</sup>, Trevor Bedford<sup>3</sup>, Eun-Young Kim<sup>1</sup>, John Archer<sup>4</sup>, Sergei L. Kosakovsky Pond<sup>5†</sup>, Yoon-Seok Chung<sup>6</sup>, Sudhir Penugonda<sup>1</sup>, Jeffrey G. Chipman<sup>7</sup>, Courtney V. Fletcher<sup>8</sup>, Timothy W. Schacker<sup>9</sup>, Michael H. Malim<sup>10</sup>, Andrew Rambaut<sup>11</sup>, Ashley T. Haase<sup>12</sup>, Angela R. McLean<sup>2</sup> & Steven M. Wolinsky<sup>1</sup> Persistent HIV-1 replication maintains the tissue reservoir during therapy. *Nature* (2016)
14. H Park,<sup>1\*</sup> Y-S Chung,<sup>1\*</sup> C-H Yoon,<sup>1</sup> SH Lee,<sup>2</sup> SS Kim,<sup>1</sup> C Kang<sup>1</sup> and B-S Choi<sup>1</sup> Presentation of available CTL epitopes that induction of cell-mediated immune response against HIV-1 Koran clade B strain using computational technology. *HIV Medicine* (2015) \*: HP and Y-SC contributed equally to this work.
15. SoYong Lee, Yoon-Seok Chung, Cheol-Hee Yoon, YoungHyun Shin, SeungHyun Kim, Byeong-Sun Choi, and Sung Soon Kim\*. Interferon-Inducible Protein 10 (IP-10) is Associated With Viremia of Early HIV-1 Infection in Korean Patients. *Journal of Medical Virology* 87:782–789 (2015)
16. Dai-Ho Jang,<sup>1,2\*</sup> Cheol-Hee Yoon,<sup>1\*</sup> Byeong-Sun Choi,<sup>1</sup> Yoon-Seok Chung,<sup>1</sup> Hye-Young Kim,<sup>1</sup> Sung-Gil Chi,<sup>2</sup> and Sung Soon Kim<sup>1</sup>. Characterization of Gp41 Polymorphisms in the Fusion Peptide Domain and T-20 (Enfuvirtide) Resistance-Associated Regions in Korean HIV-1 Isolates. *J Korean Med Sci* 2014; 29: 456-459
17. **Eun-Young Kim<sup>1</sup>, Ramon Lorenzo-Redondo<sup>1</sup>, Susan J. Little<sup>2</sup>, Yoon-Seok Chung<sup>1</sup>, Prabhjeet K. Phalora<sup>3</sup>, Irina Maljkovic Berry<sup>1</sup>, John Archer<sup>4</sup>, Sudhir Penugonda<sup>1</sup>, Will Fischer<sup>5</sup>, Douglas D. Richman<sup>2,6</sup>, Tanmoy Bhattacharya<sup>5,7</sup>, Michael H. Malim<sup>3\*</sup>, Steven M. Wolinsky<sup>1\*</sup>**. Human APOBEC3 Induced Mutation of Human Immunodeficiency Virus Type-1 Contributes to Adaptation and Evolution in Natural Infection. *PLOS pathogens* (2014) Vol. 7. Issue 10.

