Job Description ①

Work Location	Korea Virus Research Institute, Center for Study of Emerging and Re-emerging Viruses, Director Young Ki Choi Group (Daejeon)	Position	Postdoctoral research associate	Field	Research
Job	Research on viral infection and pathogenesis				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research aimed at overcoming viral diseases through the study and understanding of emerging and re-emerging viruses				
Key Responsibilities	▪ Research on viral pathogenesis ▪ Conducting animal experiments involving viral infections ▪ Isolation and characterization of novel viruses				
Required Knowledge	▪ Knowledge of relevant fields, including microbiology, biology, virology, and immunology				
Required Skills	▪ Experience in conducting animal experiments ▪ Research experience in BSL-3 facilities ▪ Technical expertise in T-cell immunological analysis ▪ Technical expertise in Xenium or Visium analysis and operation ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Ph.D. obtained within five years prior to the expected appointment date (March 1, 2027), or expected to obtain a Ph.D. within three months after the expected appointment date ▪ Major: Microbiology, biology, virology, immunology, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ②

Work Location	Korea Virus Research Institute, Center for Study of Emerging and Re-emerging Viruses, Junior CI Hyunjoon Kim Group (Daejeon)	Position	Postdoctoral research associate	Field	Research
Job	Research related to developmental biology and viral RNA				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on host-specific viral transcriptomes and virus-host interactions involving zoonotic viruses				
Key Responsibilities	▪ Establishment of heterologous infection models for zoonotic viruses using wildlife organoids ▪ Construction of a database of host-specific transcriptomes of zoonotic viruses ▪ Characterization of host-specific innate immune responses and investigation of host protein functions during cross-species infection by zoonotic viruses				
Required Knowledge	▪ Knowledge of relevant fields, including developmental biology, cell biology, and virology				
Required Skills	▪ Research experience in induced pluripotent stem cells (iPSCs) and stem cell biology ▪ Technical expertise in Nanopore and next-generation sequencing (NGS) RNA-seq library preparation ▪ Genome and transcriptome analysis skills ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Ph.D. obtained within five years prior to the expected appointment date (March 1, 2027), or expected to obtain a Ph.D. within three months after the expected appointment date ▪ Major: Developmental biology, cell biology, virology, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ③

Work Location	Korea Virus Research Institute, Center for Study of Emerging and Re-emerging Viruses, Junior CI Hyunjoon Kim Group (Daejeon)	Position	Researcher	Field	Research
Job	Research related to developmental biology and viral RNA				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on host-specific viral transcriptomes and virus-host interactions involving zoonotic viruses				
Key Responsibilities	▪ Establishment of heterologous infection models for zoonotic viruses using wildlife organoids ▪ Construction of a database of host-specific transcriptomes of zoonotic viruses ▪ Characterization of host-specific innate immune responses and investigation of host protein functions during cross-species infection by zoonotic viruses				
Required Knowledge	▪ Knowledge of relevant fields, including biology, molecular biology, cell biology, biochemistry, and bioinformatics				
Required Skills	▪ Research experience in organoids ▪ Research experience in stem cells ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Bachelor's degree or higher as of March 1, 2027 ▪ Major: Biology, Molecular Biology, Cell Biology, Biochemistry, Bioinformatics, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ④

Work Location	Korea Virus Research Institute, Center for Viral Immunology (Daejeon)	Position	Senior Research Fellow	Field	Research
Job	Research in immunology				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on immune responses to viruses and the immunopathological mechanisms underlying viral diseases				
Key Responsibilities	▪ Elucidation of the mechanisms underlying germinal center (GC) responses following viral infection and vaccination ▪ Investigation of plasma cell dynamics and mechanisms of immune aging in antiviral immunity ▪ Elucidation of stromal-immune interactions within tissues ▪ Research on human adaptive immunity in viral diseases				
Required Knowledge	▪ Knowledge of relevant fields, including immunology, virology, and life sciences				
Required Skills	▪ Research experience in B-cell biology ▪ Technical expertise in epigenetic analysis ▪ Experience in operating flow cytometry instruments ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Ph.D. degree as of the expected appointment date (March 1, 2027), or a master's degree with at least five years of post-master's research experience ▪ Major: Immunology, virology, life sciences, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ⑤

Work Location	Korea Virus Research Institute, Center for Viral Immunology (Daejeon)	Position	Senior Researcher	Field	Research
Job	Research in immunology				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on immune responses to viruses and the immunopathological mechanisms underlying viral diseases				
Key Responsibilities	▪ Elucidation of the mechanisms underlying germinal center (GC) responses following viral infection and vaccination ▪ Investigation of plasma cell dynamics and mechanisms of immune aging in antiviral immunity ▪ Elucidation of stromal-immune interactions within tissues ▪ Research on human adaptive immunity in viral diseases				
Required Knowledge	▪ Knowledge of relevant fields,including life sciences, immunology, and bioinformatics				
Required Skills	▪ Research experience in immunology ▪ Bioinformatics analysis skills ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Ph.D. degree as of the expected appointment date (March 1, 2027), or a master's degree with at least five years of post-master's research experience ▪ Major: Life sciences, immunology, bioinformatics, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ⑥

Work Location	Korea Virus Research Institute, Center for Viral Immunology (Daejeon)	Position	Postdoctoral research associate	Field	Research
Job	Research in immunology				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on immune responses to viruses and the immunopathological mechanisms underlying viral diseases				
Key Responsibilities	▪ Elucidation of the mechanisms underlying germinal center (GC) responses following viral infection and vaccination ▪ Investigation of plasma cell dynamics and mechanisms of immune aging in antiviral immunity ▪ Elucidation of stromal-immune interactions within tissues ▪ Research on human adaptive immunity in viral diseases				
Required Knowledge	▪ Knowledge of relevant fields,including Immunology, life sciences, virology				
Required Skills	▪ Research experience in immunosenescence ▪ Technical expertise in immunological and metabolomic analyses ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Ph.D. obtained within five years prior to the expected appointment date (March 1, 2027), or expected to obtain a Ph.D. within three months after the expected appointment date ▪ Major: Immunology, life sciences, virology, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.

Job Description ⑦

Work Location	Korea Virus Research Institute, Center for Viral Immunology (Daejeon)	Position	Researcher	Field	Research
Job	Research in immunology				
Institutional Mission	The Institute for Basic Science (IBS) is a research institute established under the Special Act on the Development and Support of the International Science and Business Belt. IBS aims to conduct world-class basic science research and fundamental research to advance creative knowledge and secure original technologies, while contributing to the development of outstanding research personnel. ▪ Basic science research ▪ Basic research on interdisciplinary convergence in science and technology ▪ Research on convergence between basic science and the humanities, social sciences, and arts and culture ▪ Policy research to establish directions for basic science research ▪ Development and utilization of basic research facilities and equipment ▪ Management, transfer, utilization, and commercialization of research outcomes				
Research Group's Area of Research	▪ Research on immune responses to viruses and the immunopathological mechanisms underlying viral diseases				
Key Responsibilities	▪ Elucidation of the mechanisms underlying germinal center (GC) responses following viral infection and vaccination ▪ Investigation of plasma cell dynamics and mechanisms of immune aging in antiviral immunity ▪ Elucidation of stromal-immune interactions within tissues ▪ Research on human adaptive immunity in viral diseases				
Required Knowledge	▪ Knowledge of relevant fields, including immunology, pharmacy, and life sciences				
Required Skills	▪ Research experience in life sciences ▪ Ability to prepare research reports and scientific manuscripts ▪ English communication skills for effective collaboration with international researchers				
Required Attitude	▪ Effective communication and collaboration with diverse colleagues ▪ Creative and proactive attitude toward virus research				
Basic Competencies	▪ Communication skills, Numeracy skills, Problem-solving skills, Interpersonal skills, Information processing skills, Organizational understanding, Professional ethics				
Qualifications	▪ Degree: Bachelor's degree or higher as of March 1, 2027 ▪ Major: Immunology, pharmacy, life sciences, or a related field				
Selection Process	▪ Document Screening → Interview				

※ This job description outlines the representative duties of the position. The successful candidate may also be required to perform other related duties beyond those specified above.