About iCarbonX

iCarbonX is a technology company, combining advances in artificial intelligence, multi-omics and experience to fundamentally change how people understand their present to optimize their futures. Our platform of deep digitization analyzes and delivers precision products, services and applications for any point or moment in life’s journey; from wellness, skincare, and fitness, to health, nutrition and prevention, to healthcare, condition management and outcome achievement. We are digitizing life.

Learn more: https://www.icarbonx.com

1. Scientist, Oncology

Role Responsibilities
1. Leading translational research project on uncovering cancer mechanism and discovering novel diagnostic markers as well as therapeutic targets, managing internal collaboration with multiple laboratory platforms including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives, developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.

Qualifications
1. PhD degree in medical oncology, pharmacology, biology, molecular biology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in oncology-related translational research (cancer associated genomics and metabolomics, cancer immune and signaling, or cancer microenvironment);
3. Ability to interpret and integrate data from omics and medicinal experiments
4. Necessary skills and knowledge to work on the interphase between translational
and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).

2. Scientist, Metabolic disease
Role Responsibilities
1. Leading translational research project on uncovering metabolic disease mechanism and discovering novel diagnostic markers as well as therapeutic targets, managing internal collaboration with multiple laboratory platforms including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives, developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.
Qualifications
1. PhD degree in molecular biology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in metabolic disease research (obesity, diabetes, glucose metabolism, lipid metabolism);
3. Ability to interpret and integrate data from omics and medicinal experiments
4. Necessary skills and knowledge to work on the interphase between translational and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).

3. Scientist, Aging
Role Responsibilities
1. Leading translational research project on uncovering aging mechanism and
discovering novel diagnostic markers as well as therapeutic targets, managing internal collaboration with multiple laboratory platforms including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives, developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.

Qualifications
1. PhD degree in molecular biology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in aging research (cellular aging, DNA damage, longevity);
3. Ability to interpret and integrate data from omics and medicinal experiments
4. Necessary skills and knowledge to work on the interphase between translational and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).

4. Scientist, Cardiovascular diseases
Role Responsibilities
1. Leading translational research project on uncovering cardiovascular diseases mechanism and discovering novel diagnostic markers as well as therapeutic targets, managing internal collaboration with multiple laboratory platforms including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives,
developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.

**Qualifications**

1. PhD degree in molecular biology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in cardiovascular diseases research (Hypertension, hyperlipidemia, emphysema, pulmonary hypertension, hypoxia);
3. Ability to interpret and integrate data from omics and medicinal experiments;
4. Necessary skills and knowledge to work on the interphase between translational and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).

**5. Scientist, Microbiologist**

**Role Responsibilities**

1. Leading transformation research projects, revealing the relationship between microbes and chronic diseases, and managing internal collaboration with a variety of laboratory platforms, including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives, developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.

**Qualifications**

1. PhD degree in microbiology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in microbial research
(Intestinal flora, oral flora, skin flora, genital flora);
3. Ability to interpret and integrate data from omics and medicinal experiments
4. Necessary skills and knowledge to work on the interphase between translational and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).

6. Scientist, Immunology

Role Responsibilities
1. Leading transformation research projects, revealing the relationship between immunity and chronic diseases, and managing internal collaboration with a variety of laboratory platforms, including genomics, proteomics, metabolomics, and bioinformatics platforms;
2. Ensuring tasks completion and project deliverables meeting as directed by the superior;
3. Coordination, assessment, proposing and managing contact with scientific collaborators hospitals and business partners;
4. Validating, integrating and interpreting omics data in clinical perspectives, developing protocol for experimental medicine as well as preclinical and clinical studies;
5. Responsible for writing and completion of scientific publications and patents.

Qualifications
1. PhD degree in Immunology or related field. At least 2 years’ experience as post-doc or in industry (biotech/pharma);
2. Solid background knowledge and excellent experience in Immunology research (immunomics, nonspecific immunity, tumor immunology, T-lymphocyte, Dendritic Cells);
3. Ability to interpret and integrate data from omics and medicinal experiments
4. Necessary skills and knowledge to work on the interphase between translational and clinical research groups;
5. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
6. Fluency in English (written/spoken).
7. Scientist, Proteomics

Role Responsibilities
1. Responsible for the research and development of proteome-related detection technology, including mass spectrometry analysis, data analysis and processing, database retrieval, writing analysis reports;
2. Responsible for the experimental platform (MALDI-TOF or UPLC or LC MS/MS, etc.) to optimize related experiments, responsible for the development and verification of relevant analytical methods, writing of quality documents and SOPs;
3. Responsible for organizing project research, program design, implementation and results transformation, as well as corresponding data evaluation, statistics and analysis, reporting technical summary and project progress to the superior regularly.

Qualifications
1. Master's degree or above in molecular biology, biochemistry, analytical chemistry, cell biology, etc., and 2 years of research experience in proteomics
2. Skilled proteomics data processing and analysis capabilities;
3. Have a deep understanding of the structure and function of monoclonal antibody, Capabilities of using HPLC, CE, LC-MS and other instrumentation platform to analyze protein molecular weight, disulfide bond, mass peptide spectrum, glycosylation and other post-translational modification;
4. Proficiency in conventional protein development techniques and detection techniques, Skilled in chromatography, molecular sieve, ultrafiltration, FPLC;
5. Strong writing ability, strong English literature search and reading ability, and article writing ability;
6. Independent research ability, independent problem solving ability, team spirit.

8. Scientist, Metabolomics

Role Responsibilities
1. Responsible for the development of metabolomics related detection technology, including mass spectrometry analysis, data analysis and processing, database retrieval, writing analysis reports;
2. Responsible for the experimental platform (LC MS/MS, etc.) to optimize related experiments, responsible for the development and verification of relevant analytical methods, writing of quality documents and SOPs;
3. Responsible for organizing project research, project design, implementation and results transformation, as well as corresponding data evaluation, statistics and analysis, and regularly report technical summary and project progress to superiors.

**Qualifications**
1. Master's degree or above in molecular biology, biochemistry, analytical chemistry, cell biology, etc., and 2 years of research experience in metabolomics;
2. Proficiency in metabolomics data processing and analysis; familiar with metabolomics related databases and related analysis software, familiar with statistics and analysis of metabolomics data;
3. Strong writing ability, strong English literature search and reading ability, and article writing ability;
4. Independent research ability, independent problem solving ability, team spirit.

9. **Scientist, Sequencing technology**

**Role Responsibilities**
1. Responsible for the development of related fields sequencing technology (free nucleic acids, microorganisms, epigenetics, RNA, single cell);
2. Find, read and summarize relevant literature and patents, and write technical research reports;
3. Leading the design, testing and verification of the completed technical solutions;
4. Provide technical support for the application of technology in related fields;

**Qualifications**
1. Master's degree in molecular biology or related field. At least 3 years’ experience;
2. Solid background knowledge and excellent experience in molecular biology and statistics;
3. Skilled in the use of NCBI and other biological information databases and common biological software, such as Lasergene;
4. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills;
5. Fluency in English (written/spoken).

10. **Scientist, Computational Biology**

**Role Responsibilities**
1. As part of the disease research laboratory (oncology, aging, cardiovascular
diseases, metabolic disease), responsible for performing data analysis, including genomics data, proteomics data, metabolomics data, and clinical data;
2. Collaborate with computer scientist and wet biologists to analyze data sets using appropriate statistical and computational methods, derive testable hypotheses, and integrate them into appropriate disease systems to gain new insights into disease biology;
3. Responsible for the visualization of data;
4. Responsible for writing and completion of scientific publications and patents.

**Qualifications**
1. PhD degree in biology, bioinformatics, biostatistics or related field. At least 2 years’ experience as post-doc or in industry;
2. Familiar with Linux system, master at least one computer language such as C/C++/Java/Python/Perl/R;
3. Knowledge of oncology, metabolic disease, aging, cardiovascular diseases is preferred;
4. Well-developed scientific leadership, as well as multitasking, flexibility, communication and team working skills.

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