At the NanoLSI center, we will combine the world’s most advanced technologies in bio-scanning probe microscopy (SPM) and supramolecular chemistry to develop novel “nanoendoscopic techniques” that allow us to directly image, analyze, and manipulate nanodynamics of proteins, metabolites, and nucleic acids both on the surface of and inside the cell. In addition, through the use of innovative nanoprobe techniques combined with other advanced analytical methods, we aim to achieve fundamental understandings of the nano-level mechanisms underlying basic cellular functions (e.g., cell differentiation/proliferation, stemness, signal transduction, genome dynamics, etc.) and their cancer-specific abnormalities. To this end, we will perform detailed comparisons between nanodynamics inside normal and cancer cells. Based on the developed technologies and knowledge acquired through such research works, we will establish a new research field termed “nanoprobe life science,” which aims to achieve nano-level understandings of various life phenomena including cancer using advanced nanoprobe technologies.

We are looking for an assistant professor to perform the following research work as a staff who plays a central role in the area of integration between life science and nanometrology field.

**Main Duties:** At the Nano Life Science Institute, the “Assistant Professor” plays a central role in promoting integrated research in life science and nanometrology.

1. Metabolism and pharmacokinetics studies and drug response research to promote drug development
2. Research to uncover the mechanisms of toxicity by xenobiotics including drugs
3. Research in pharmaceutical sciences focusing on exosome

**[Address of work location and other information]**
Nano Life Science Institute, Kanazawa University, Kakuma-machi, Kanazawa, Ishikawa 920-1192, Japan

**Number of Position:** One
**Starting date:** June 1, 2018 or as early as possible if later.
### Compensation

- **Period of employment**
  Three-year fixed-term contract

  Note: There is a possibility of the contract being renewed after the expiration of the employment period.

- **Working Hours**
  Working hours are determined according to the Discretionary Labor System for Professional Work (7 hours and 45 minutes per day)

- **Salary**
  4,060,000 yen ~ 6,496,000 yen (Annualization conversion)

  Salary payments will be made on an annual basis in an amount determined in accordance with the rules of Kanazawa University.

- **Insurance**
  According to the rules of Kanazawa University.


### Application period

- **2018/3/26 Deadline for receipt**

### Application Documents

1. Curriculum vitae with a recent photograph of the face, describing present address, phone number, e-mail address, academic career, research career, professional career, and other relevant information.
2. List of research activities, including original scientific papers, book chapters, other publications, presentations in scientific meetings, awards, and other relevant activities.
3. Offprints of main published papers (Maximum number of papers is five, and hard copies are accepted.)
4. List of research support (Time period, name of grant, title of education/research, and amount of money should be included.)
5. Outline of past research and teaching (two sheets in free format)
6. A description of the applicant’s research interests, achievements, and future research plan (two sheets in free format)
7. In case of a recommender, a recommendation letter should be separately sent to the following e-mail address.
   - Email: nanolsi-jobs12@adm.kanazawa-u.ac.jp

Please send the application form by e-mail or post.

As we cannot receive emails larger than 5 MB, please use the uploader etc. if the size of your email exceeds 5 MB. Please write "Application for Faculty Position (Prof.Nakajima)" in the title of the e-mail.

Please ensure that you provide your contact information including your address, phone number, and e-mail address in your application documents, write "Application for Faculty Position (Prof.Nakajima)" in red on the envelope, and send your documents by registered mail.

Please note that application documents will not be returned to applicants.

In case of mail, please send all the documents by registered mail to the following address:

Research Promotion Affairs Division, Research Promotion Department
Kakuma-machi, Kanazawa, Ishikawa 920-1192, Japan
Email: nanolsi-jobs12@adm.kanazawa-u.ac.jp

### Selection process (selection method and hiring decision, notification of result)

- Applicant screening and interview

  ※We do not cover the transportation expenses associated with the interview.

### Contact details

- Nano Life Science Institute, Kanazawa University (WPI-NanoLSI)
  - Prof. Miki Nakajima
  - Tel: +81-76-234-4408
  - Email: nmiki@p.kanazawa-u.ac.jp
2) Kanazawa University supports applicants from female scholars and promotes the co-activities of male and female scholars. http://cdl.w3.kanazawa-u.ac.jp/index.html (in Japanese) |