Faculty position, Associate Professor, The Research Center of Mathematics for Social Creativity (MSC), the Research Institute for Electronic Science (RIES), Hokkaido University

1. **Position Title:** Associate Professor at The Research Center of Mathematics for Social Creativity (MSC), the Research Institute for Electronic Science (RIES), Hokkaido University

2. **Area of Specialization:** Interdisciplinary Science to Bridge Theory and Experiments in Biology (including Systems Biology, Nanoscience, Dynamical Systems, and Nonequilibrium Statistical Physics)

3. **Qualification:** Applicants are required to have a Ph.D. or doctoral degree, who can present lectures in both Japanese and English.

4. **Employment Status:**
Tenured, but it is highly desired to be promoted within thirteen years.

5. **Expected Start Date:**
  March 1st, 2017 or the earliest date thereafter.

6. **Documents to Be Submitted**:

(1) Curriculum vitae (with photograph, telephone number, and e-mail and mailing address) including educational records, professional career records, activity records in academic society and awards.
(2) Achievements List: journal papers, review papers, books, and others should be listed respectively. All authors, the first and the last pages, with or without peer review should be shown for each publication. Journal papers without peer review should be listed as others. Domestic and international presentations (divided into categories: invited, oral, poster) should be listed respectively.
(3) Reprints or copies of five significant articles (original papers and/or review articles).
(4) Brief statement of applicant's research interests and appealing points, including the summary of applicant's past and present research (~2 pages in A4-size sheet).
(5) Perspectives for future research along research interests in the host laboratory of molecule & Life Nonlinear Sciences (~2 pages in A4-size sheet).
(6) Educational experiences and policy (1 page in A4-size sheet).

(7) List of research funds the applicant acquired in the past, including the names of the funds, project titles, amounts, periods of research, and allotted amounts (if not the principal researcher).

(8) Contact information of at least four reference persons (affiliation, telephone number and e-mail address, at least one person should be outside of Japan).

7. **Deadline**

January 10th, 2017 (Applications must be postmarked by January 10th, 2017 for postal mail from domestic).

8. **Mailing Address and Notice**

We will accept the application by e-mail or internet file attachment from foreign countries (Note that only the postal mail is accepted from Japan). The documents will not be returned. Submitted documents are strictly protected and we do not use the obtained personal information for any purpose other than the screening. Applicants must indicate "Application Documents for Associate Professor of MSC, RIES, Hokkaido Univ." in the subject of e-mail (or on the envelop for postal mail from Japan to the postal mailing address below), and send both to Ms. Maiko Ishida-Muramoto <muramoto@es.hokudai.ac.jp> with carbon copy to Prof. Tamiki Komatsuzaki tamiki@es.hokudai.ac.jp.

Postal Mailing Address

Prof. Tamiki Komatsuzaki

Molecule & Life Nonlinear Sciences Laboratory

Research Center of Mathematics for Social Creativity

Research Institute for Electronic Science (RIES)

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9. **Inquiries**

Prof. Tamiki Komatsuzaki, e-mail：tamiki@es.hokudai.ac.jp

URL: http://mlns.es.hokudai.ac.jp

10. **Others**

We recruit one associate professor, and would like to seek candidates from a variety of fields. We would appreciate it if you could forward this job-opening information

to well-qualified person. Interview may be carried out in the process of selection. The successful candidate should have a certain level of knowledge with methodology and concepts of any of the following: nanoscience (especially measurements), chemical physics, and biophysics, dynamical systems theory, nonequilibrium statistical mechanics. This position also requires ability to pursue not only mathematical structure but also developing methods to connect and correspond to existing experimental phenomena. For example; those who are knowledgeable about underlying theory of nano measurement and are able to address the development of informatic approaches, those who have theoretical background and experience with advanced measurement experiment and are able to address the development of informatic approaches, those who have a background in physics such as dynamical systems theory or quantum mechanics and are able to address the development of informatic approaches by looking squarely the actual data, are preferred. We are seeking for a candidate who will be working together on the ongoing research projects of our laboratory.