



新学術領域研究 令和元年度～5年度

量子液晶の物性科学

Quantum Liquid Crystals

## Recruitment of Postdoctoral Researchers

We are seeking to recruit a Postdoctoral Researcher in Condensed Matter Theory, as part of the project “Quantum Liquid Crystals”, lead by T. Shibauchi, and funded through the Kahkenhi program for Scientific Research on Innovative Areas.

### ○Occupation

Postdoctoral Researches

### ○Project

”Dynamical properties of quantum liquid crystal in strongly correlated electron systems and quantum spin systems”

(Supervised by: Takami Tohyama (Tokyo University of Science))

Mission: This project will conduct researches on elementary excitations in novel states of quantum liquid crystals, such as nematic states, emerging in strongly correlated electron systems and quantum spin systems. Large scale numerical simulations will be used to explore the nature of dynamical and non-equilibrium properties of their states.

### ○Employment status

full time, non-tenured

### ○Period and Salary

Period: three years. Salary and benefits depend on the project. Please contact the supervisor of the project you are interested in for detail.

### ○Starting date:

After April 1st, 2021.

### ○Application period

Applications will be accepted until the position is filled before January 31st, 2021.

### ○Documents

Candidates should submit the following documents, by email, to the supervisor of the project. Documents should be combined in a single pdf file. Receipt of the application will usually be acknowledged within a few days.

- (1) Curriculum vitae,
- (2) Research Statement, addressing both past research, and interest in the present project.
- (3) List of publications
- (4) Copies of 1-3 significant publications/preprints

In addition to this, candidates should arrange for at least 2 referees to send letters of recommendation, by email, directly to the supervisor of the project.

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

Initial short-list selection will be based on application documents. Subsequent selection may require an interview.

○Contact person of the project

Takami Tohyama, Department of Applied Physics, Tokyo University of Science

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