<table>
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<tr>
<th><strong>Name of Supervisor (Title)</strong></th>
<th>Tomohiko OHWADA (Professor, Ph.D.)</th>
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<tr>
<td><strong>Name of Graduate School / Faculty/ Institute</strong></td>
<td>Graduate School of Pharmaceutical Sciences</td>
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| **Research Topic & Research Description** | 1) Design, synthesis and computational simulations of molecules aimed for medicinal chemistry.  
2) Structural control and synthesis of peptide mimics and other mimics. Combination of molecular simulations and DFT calculation.  
3) Development of molecular transformations involving cationic species. Combination of DFT calculation. |
| **Special Academic Conditions Required for Research** | 1) Prerequisite knowledge and/or specific skill and its proficiency  
Fundamental knowledge of Organic Chemistry and Biochemistry.  
Fundamental laboratory classes in Organic Chemistry and Analysis.  
2) Required study field(s)  
Organic Chemistry, Analytical Chemistry, also ideally Biochemistry.  
3) Academic background or research project experience to be considered at selection  
Not specified. |
| **Lab Location** | Hongo Campus |
| **Academic Research Areas** | Chemistry  
Molecular Medicine  
Molecular Pharmacology |