<table>
<thead>
<tr>
<th>Name of Faculty Member (Title)</th>
<th>Keiichi NAKAGAWA (Associate Professor)</th>
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<tbody>
<tr>
<td>Name of Graduate School/ Faculty/ Institute</td>
<td>Graduate School of Engineering</td>
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| Research Topic & Description | 1) Ultrafast imaging: you will visualize the acoustic interaction with biological cells (pico- to nano-second timescales) to understand the therapeutic effects on the body in noninvasive acoustic wave therapy.  
2) Biophotonics: you will develop a new method to produce acoustic waves inside the body to manipulate the photons' behavior for optical biotechnologies.  
3) Biophysics: you will investigate the interactions between physical energies (photon and phonon) and biological cells/tissues to control the functions of our body. |
| Academic Requirements & Expectations | 1) Field(s) of Study  
None  
2) Knowledge/ Skill/ Proficiency  
Knowledge of Bioengineering and Optical Engineering is advantageous but not mandatory at the time of application. Once selected, I will recommend a specific field of study tailored to the student's interests and background and provide relevant study materials.  
3) Academic Background and Research Experience  
None |
| Lab Website & Relevant Information | https://sites.google.com/view/nakagawagroup/  
| Campus / Location | Hongo / Yayoi |
| Area of Research | Bioengineering  
Biotechnology  
Neuroscience |