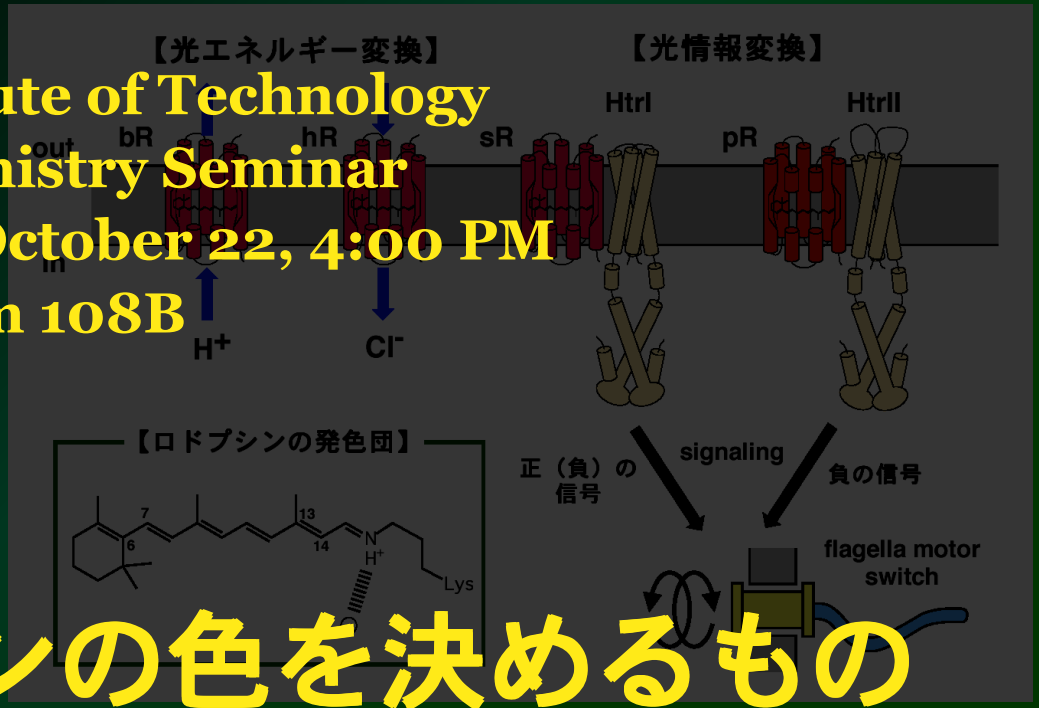
Nagoya Institute of Technology
Physical Chemistry Seminar
Wednesday, October 22, 4:00 PM
1st Bldg, Room 108B



古細菌ロドプシンの色を決めるもの

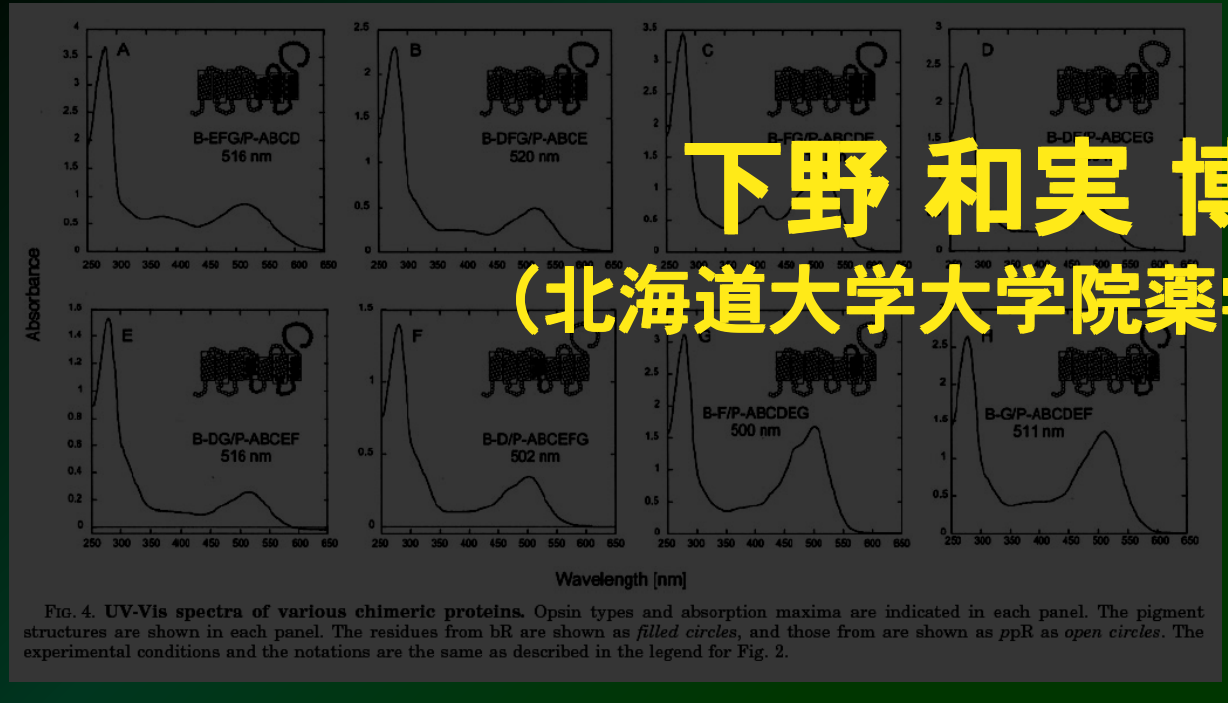


FIG. 4. **UV-Vis spectra of various chimeric proteins.** Opsin types and absorption maxima are indicated in each panel. The pigment structures are shown in each panel. The residues from bR are shown as *filled circles*, and those from are shown as *pp*R as *open circles*. The experimental conditions and the notations are the same as described in the legend for Fig. 2.

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FIG. 6. Spectral tuning color-determining factors at helix D, E, and G. The structures of bR (Protein Data Bank (PDB) code, 1C3W) and *pp*R [illegible] respectively. The structural alignment is done for the all atoms of the [illegible]nal and Lys-205 for *pp*R and Lys-216 for bR.