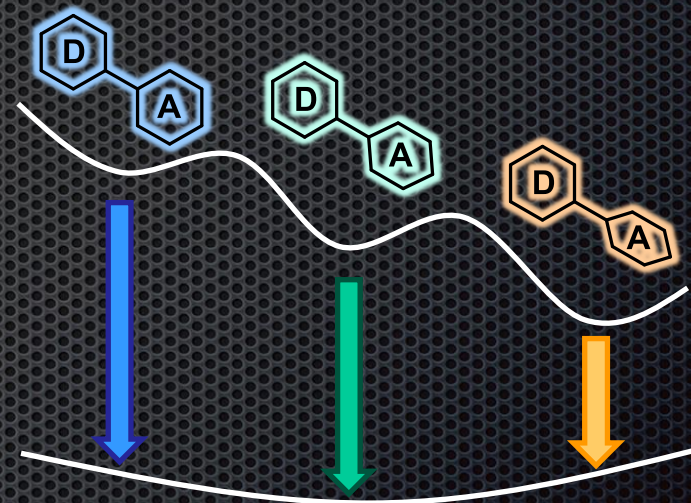
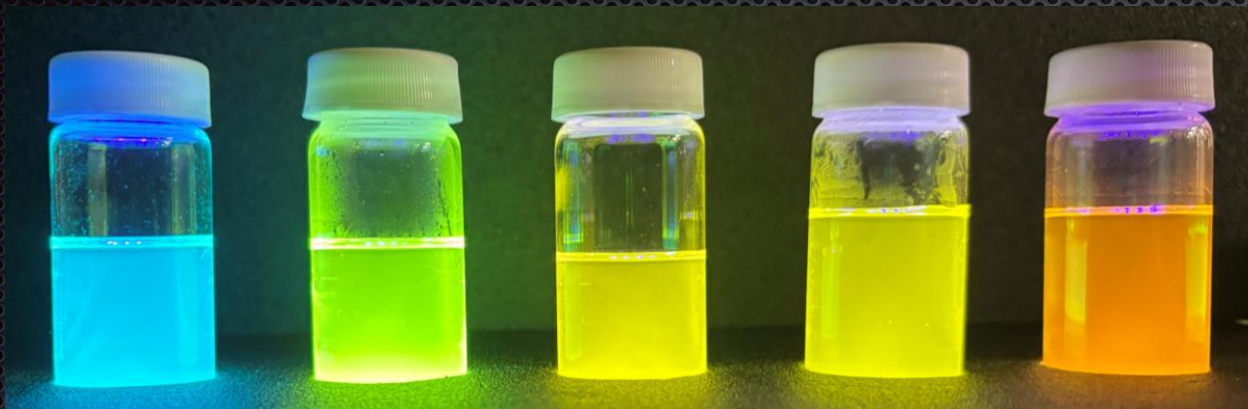


Full-color emission from an organic fluorescence molecule

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Displays equipped in electronic devices, such as smartphone and tablets, and fluorescence bioimaging which can investigate biological phenomena are one of the important technologies in super smart society and medical field. Luminescent materials exhibiting blue to red emissions (full color) are necessary to create colors you desired. It is a conventional strategy to synthesize derivatives of its parent organic fluorescent molecules which can emit in different colors. In this course, students challenge to create full color emissions by using an organic fluorescent molecule exhibiting intramolecular charge-transfer. This course will help students to feel, enjoy, and study deep resonances of organic molecules and photoluminescence.