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<https://schomaker.chem.wisc.edu/jen/>

Jennifer Schomaker is an organic chemist at the University of Wisconsin, Madison. Professor Schomaker research develops chemistry that utilizes allenes and has developed an intramolecular allene protocol that gives synthetically useful bicyclic methylene aziridines. Her group examines allenes as convenient three-carbon synthons for the preparation of densely substituted carbocycles. She is developing a synthesis of jogyamycin, a new antiprotozoal aminocyclopentitol antibiotic. Analogs of jogyamycin have been synthesized to determine which structural features contribute to toxicity in order to tune selectivity in binding to pathogen over human ribosomes. Professor Schomaker has applied her methylene aziridine work to the development of useful biorthogonal chemistry protocols. See <https://www2.chem.wisc.edu/users/schomakerj>