



**Figure 3.7.** Epifluorescence and scanning confocal photomicrographs of biofilms formed by wild-type (WT) and a homoserine lactone signaling molecule deficient mutant (*lasI*) of *Pseudomonas aeruginosa*. Both populations contain the green fluorescent protein (GFP) expression vector pMRP9-1 and are intrinsically fluorescent. Top, the WT and *lasI* mutant grown with or without the signaling molecule (autoinducer) added to the medium. Bottom, Saggital views of WT and *lasI* mutant biofilms with or without added autoinducer. Courtesy of Matthew Parsek and Peter Greenberg.