Brain of the prepupal stage of a female of *Onthophagus sagittarius*, a species of horned beetle. Depth-coded maximum intensity projection of a Zeis LSM880 laser scanning confocal microscope image stack of an isolated beetle brain stained with a monoclonal antibody against acetylated beta-tubulin. This technique labels neurites and cytoskeletal microtubules, and highlights the complex architecture of the horned beetle anterior central nervous system. Lateral to the main center lobes are the layered brain optical processing centers, which will greatly expand and connect with the epidermal compound eyes during pupal metamorphosis.