In vivo high field magnetic resonance imaging and spectroscopy of adult zebrafish

Kabli, S.

Stellingen

behorende bij het proefschrift

In Vivo High Field Magnetic Resonance Imaging and Spectroscopy of Adult Zebrafish

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1. *Danio rerio* has become an obsession among scientists around the world.

2. Zebrafish hold a key to improved cancer research (This thesis, chapter 4).

3. Small coils are essential to get the right anatomical details in the small fish with MRI (This thesis, chapter 3).

4. Similar to human MRI, the positioning of a fish in the MRM setup is most important to avoid artifacts.

5. MRI allows for the in vivo assessment of anatomical images and metabolic profiles of adult zebrafish. This thesis, chapters 2 and 3.

6. Non-invasive micro-MRI of zebrafish allows for longitudinal studies of tumor development, paving the way for real-time assessment of therapeutic effects in tumor models. This thesis, chapter 4.

7. In vivo MRI imaging and spectroscopy bridges the gaps between genome wide, morphological, physiological and functional studies of adult zebrafish. This thesis, chapter 5.

8. De vorming van C-C bindingen is de meest cruciale, en soms ook de meest moeilijke reactie in de organische synthese.

9. Degene die vindt dat het multiculturalisme niet past in de eenentwintigste eeuw is kortzichtig in zijn denken.

10. Minder productie is niet erg voor de economie.

11. Qui cherche trouve!