STELLINGEN

Behorende bij het proefschrift

"Understanding the mechanisms of histone 2A ubiquitination".

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1. RNF8 is extremely inefficient in modifying H2A in nucleosomes. (this thesis)
2. Target modification by RNF168 rather than ubiquitin chain formation drives the response to DNA double-strand breaks. (this thesis)
3. RNF168 ubiquitinates K13-15 on H2A/H2AX in response to DNA damage. (this thesis)
4. The structural separation between the two ubiquitination sites on H2A in nucleosomes is likely to mirror a functional distinction. (this thesis)
5. Despite the differences in target recognition between RING1B and RNF168, the integrity of the acidic patch on nucleosomes is required for both. (this thesis)
6. I am still confused, but on a higher level. (E. Fermi)
7. Knowledge of any event that takes place in our cells at a structural and biochemical level provide the strongest basis for future applied research.
8. The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them. (William Lawrence Bragg)
9. The best journeys answer questions that in the beginning you didn't even think to ask. (Jeff Johnson, 180° South)
10. Open access can speed up research progress, productivity and knowledge translation and provides crucial benefits for developing countries.
11. Saving energy and minimizing our impact on the planet only slightly influences our day-to-day life, but has huge benefits for the rest of the planet and future generations.