

University of Groningen

Structure-Function Relationships in Dynamic Combinatorial Libraries

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DOI:
[10.33612/diss.90038152](https://doi.org/10.33612/diss.90038152)

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Document Version
Publisher's PDF, also known as Version of record

Publication date:
2019

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):
Altay, M. (2019). *Structure-Function Relationships in Dynamic Combinatorial Libraries*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.90038152>

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Propositions

associated with the dissertation

Structure-Function Relationships in Dynamic Combinatorial Libraries

by

Meniz Altay

1. Social intelligence is one of the most important skills to establish psychologically healthy work relationships. People at all levels in academia should be trained at the start of their career in basic skills of social intelligence, which include empathy, self-control and adaptability.
2. Young scientists should be encouraged to publish negative results in open access journals as they potentially shape research hypotheses.
3. Being capable of explaining fundamental research outside of the scientific world is as important as expanding the scientific knowledge in the relevant field.
4. As recent developments on electron microscopy allow scientists to reveal filament structures including hydrogen-bond clusters with sub-angstrom resolution (*Nat. Struct. Mol. Biol.* **2018**, 25, 131-134), its application in soft-matter analysis should have higher priority.
5. Although 'evolution' and 'design' are often thought to be mutually exclusive, for the de-novo synthesis of life, molecules should be designed and analyzed carefully to be able to observe evolution.
6. Increasing the number of women employed in academia cannot be the only method to address gender-equality. The correct number may not be the correct answer.
7. Knowledge and curiosity are mutually reinforcing. Actions lacking one of these aspects, are either useless or superstitious and never bring scientific success.
8. In today's digital world, PhD students should be forced to print a smaller number of paper copies of their thesis.