

Light-Controlled Smart Materials for the Future

CHEN Nuo

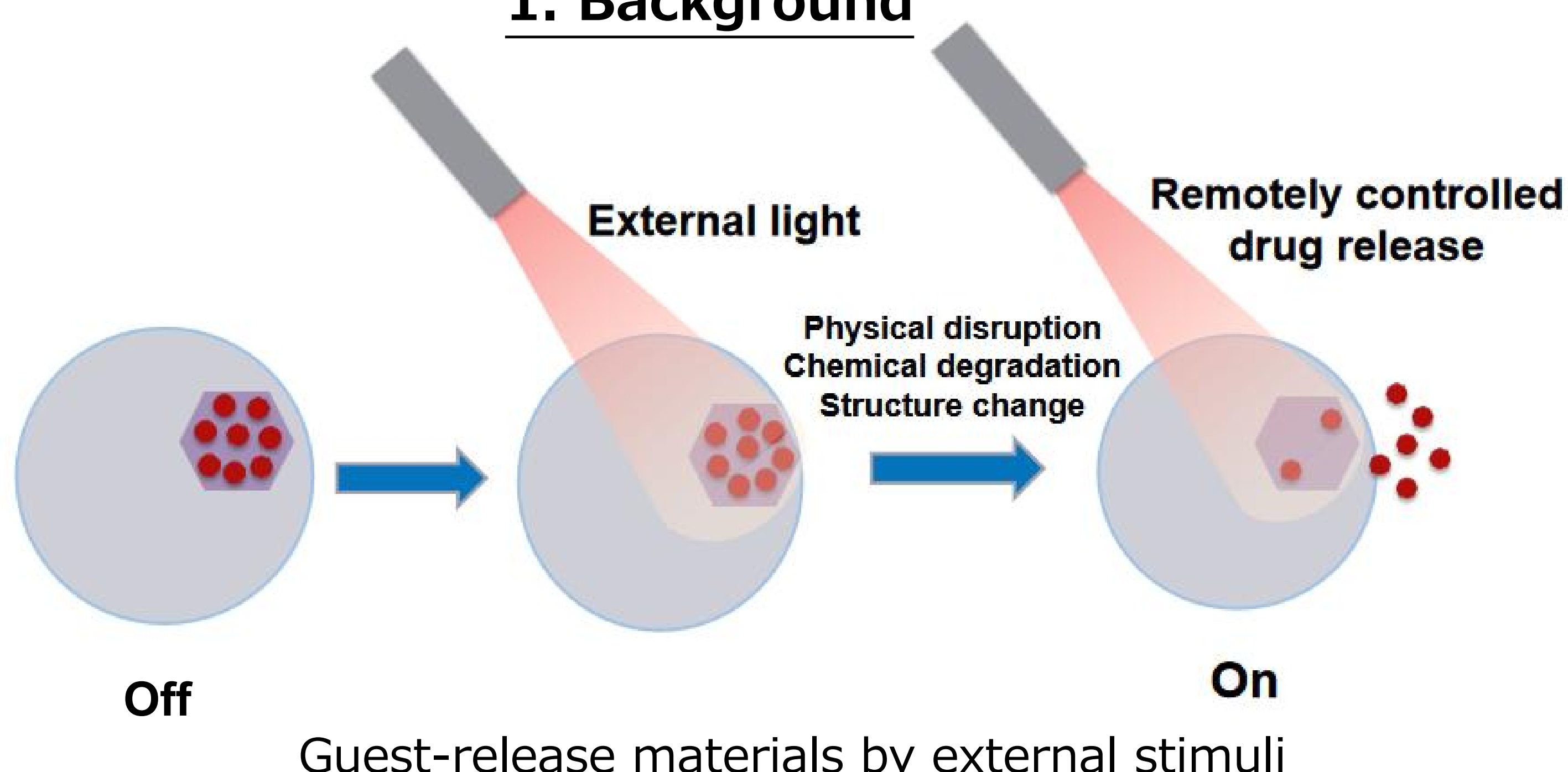
Division Environmental Adaptation Science
Graduate School of Environment Science
Hokkaido University



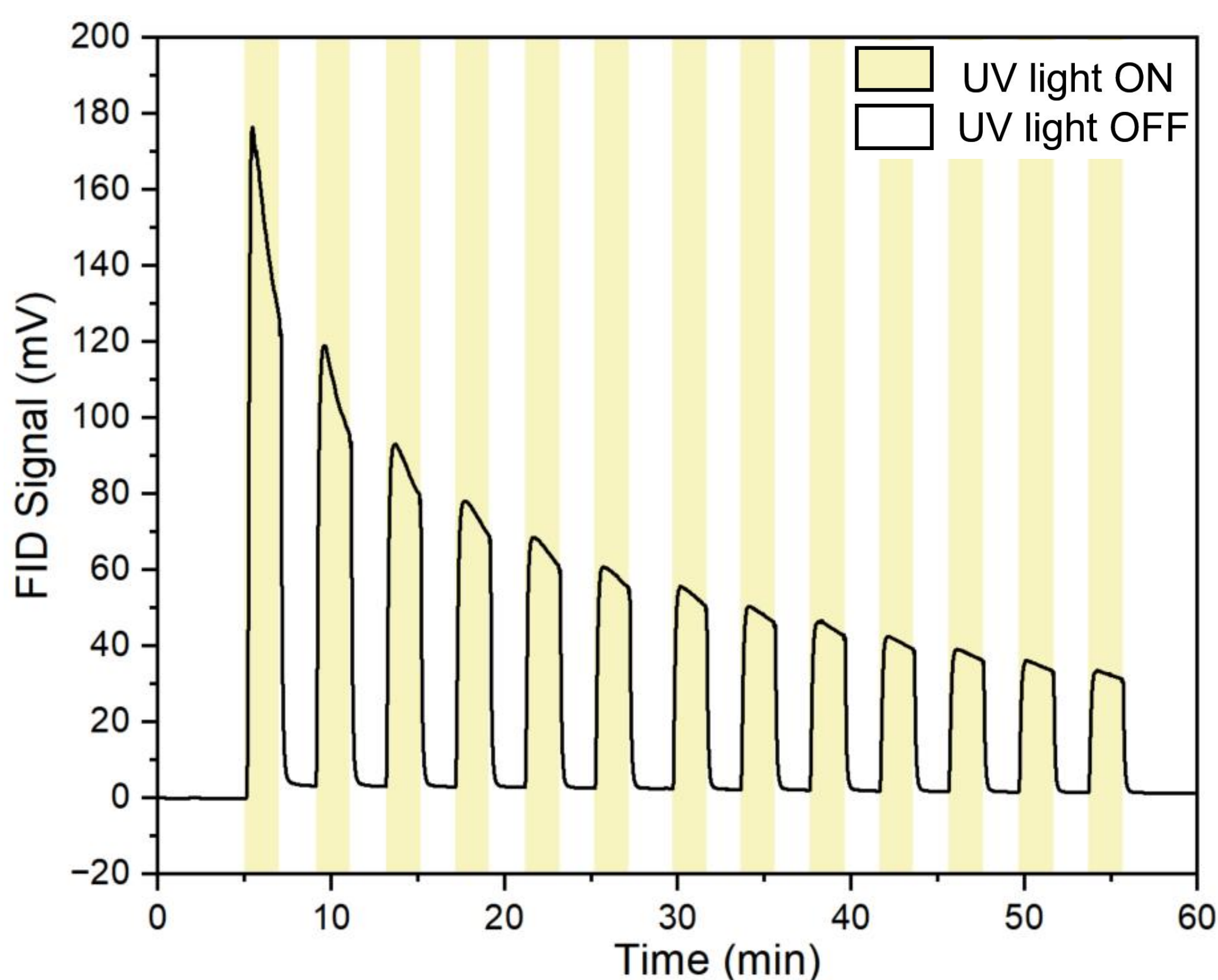
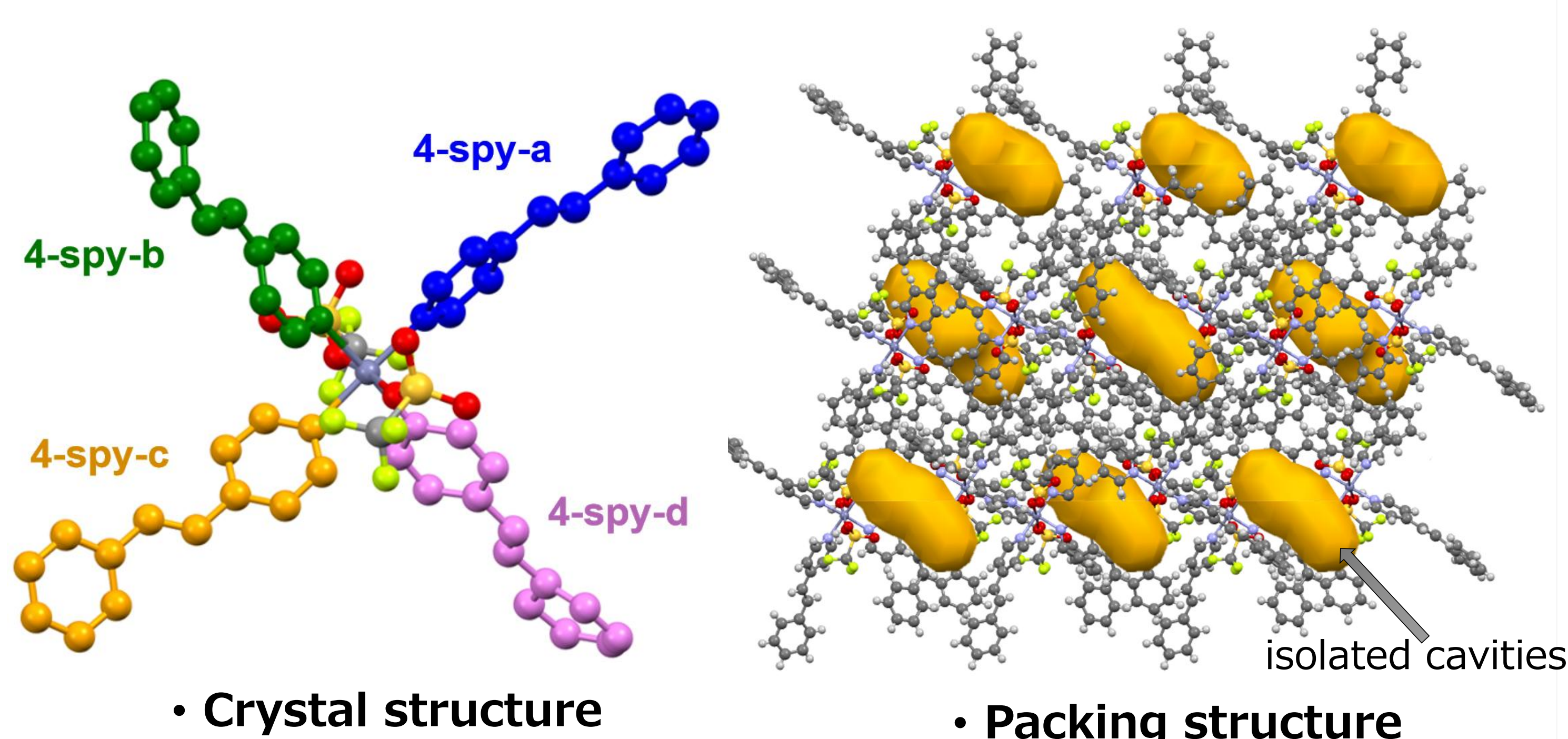
Vision for Future Society

- ◆ Control molecular release with light
- ◆ Reduce waste through smart materials
- ◆ Towards a cleaner, safer, and more sustainable future

1. Background



2. Results and discussion



- Controlled guest release by light ON and OFF

3. Conclusion

- Our material responds only during light irradiation.
- This approach could enable safer and more sustainable technologies.