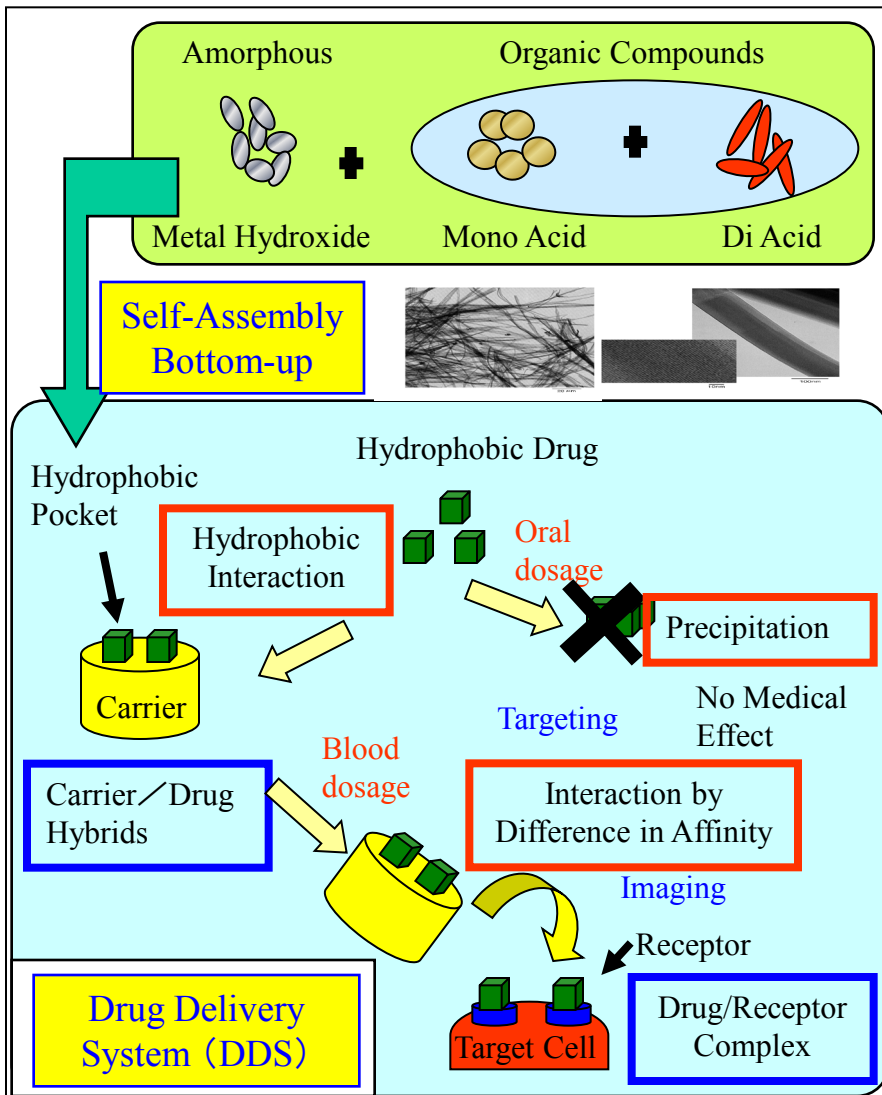


# Nanomedicine : Preparation and Application of Organic-inorganic Nanohybrids

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Content:

**Nanomedicine** is the preparation and application of nano-ordered materials containing the drug into medical areas. In the field of natural science at the boundary of materials science and life science, the development of nano-level operation of materials enables the control of materials structure and application based on nanotechnology and biology.

In the **self-assembly reaction**, the organization is constructed from a variety of the elemental compounds. In our laboratory we have found that organic – inorganic nano-layered hybrid compounds were prepared by the reaction of metal hydroxides with organic compounds in the self-assembly reaction.

These hybrids were organized through organization, adsorption and decomposition with functional changes. They can be applied against a variety of biological reaction and expected to contribute to technical and medical markets.

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Research Interest : Preparation of Hybrids

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