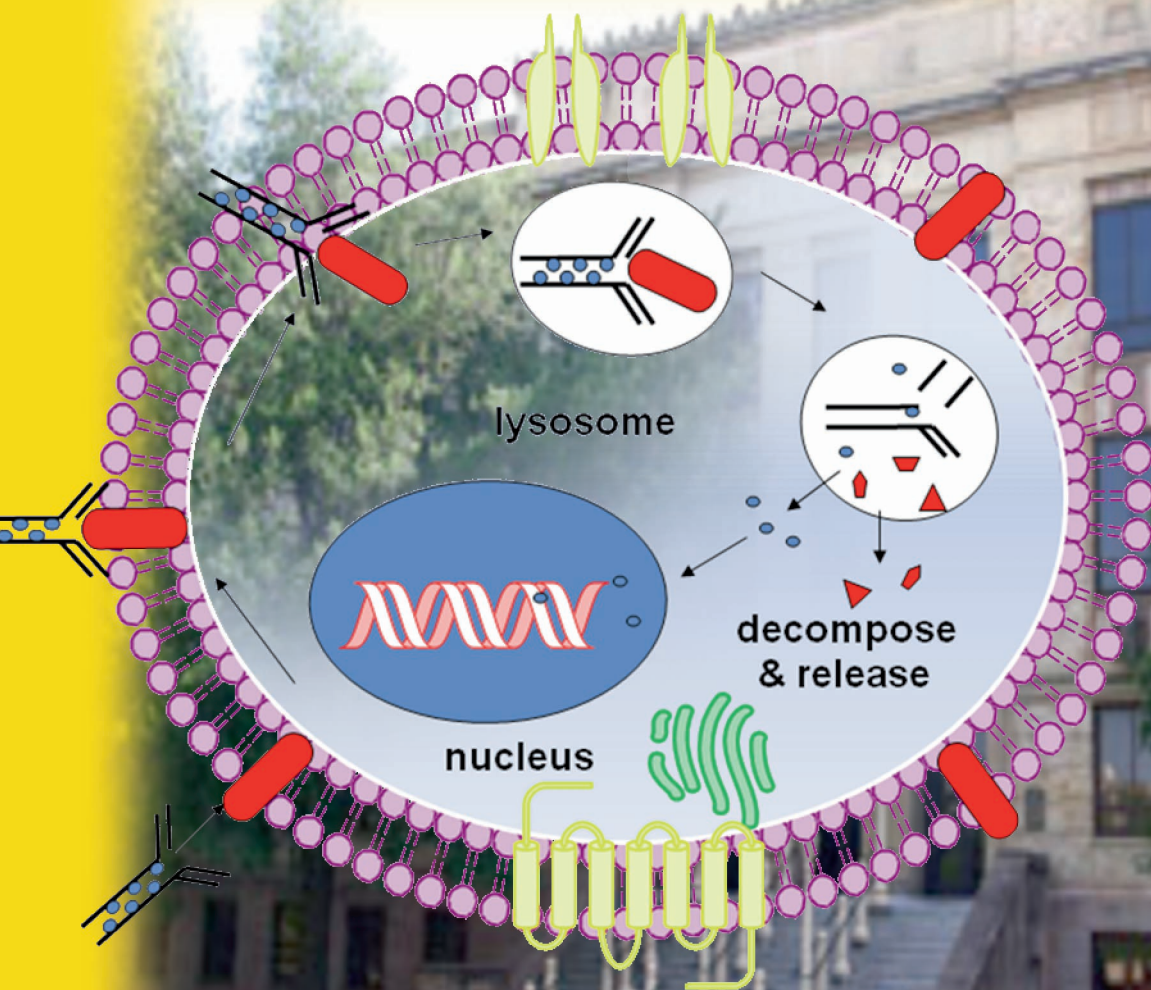


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CHEMISTRY ENABLING DRUG DISCOVERY



6/2008

Minireview: Small-Molecule CXCR3 Ligands
(M. Wijtmans)

Full Paper: Amine Derivatives of Ambruticin
(S.J. Shaw)



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Cover Picture

Jian Gao*, Ya Guang Liu, Renbin Liu, and Ralph A. Zingaro*

The cover picture shows a schematic representation of the Herceptin–platinum(II) binding complex, which recognizes Her2/neu on the surface of SK-BR-3 cancer cells. The novel platinum(II)-based agents achieve their high binding affinity through Herceptin, which retains its capacity to recognize Her2/neu. The investigated binding complex, Her-*n*LPt^{II}, shows remarkable cancer-cell-specific cytotoxicity toward SK-BR-3 and SK-OV-3 cancer cells. This study highlights an approach that is more practical than the preparation of mAb–drug conjugates, which can be more complex and difficult to develop as drugs. These findings will guide the development of mAb–metal-based drug-targeting entities as a means to treat human cancers and other diseases. For details, see the Full Paper by J. Gao and R. A. Zingaro, et al. on p. 954 ff.

