Effect of Crystalline Ricin on the Biosynthesis of Protein, RNA, and DNA in Experimental Tumor Cells.  

Immune Cytolysis in Relation to the Growth Cycle of Chinese Hamster Cells.  
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The Occurrence of a Serum Fetal α₁ Protein in Developing Mice and Murine Hepatomas and Teratomas.  
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Promotion of Aflatoxin-induced Hepatoma Growth in Trout by Methyl Malvalate and Sterculate.  
D. J. Lee, J. H. Wales, and R. O. Sinnhuber.

Urinary and Biliary Excretion of the 2,4-Diaminoquinazoline Antifolate, Methasquin, in Rats and Dogs.  
Jeanne I. Rader, Dorris J. Hutchison, Jane E. Sodergren, Pedro Vidal, and Frederick S. Philips.
The concept of metastases is a 19th century arrival to the field of oncology. Its early acceptance was hindered because of prevailing beliefs on the constitutional origins of neoplastic diseases. This issue commemorates two pioneer students of cancer metastases and localization.

Joseph Claude Anselme Récamier (1774-1852), a Parisian internist, first applied the term metastasis in a cancer case report of 1829. Récamier described a secondary deposit in the brain resulting from a primary carcinoma of the breast, as follows: “The case of M. Parent leads to the admission of cancer metastases: here a spontaneous eruption of carcinoma is succeeded by an identical eruption at another site” [J. C. A. Récamier, Recherches sur le traitement du cancer, par la compression méthodique simple ou combinée, et sur l’histoire générale de la même maladie (2 volumes), Vol. 2, p. 110, Paris: Gabon, 1829].


Sir James Paget (1841-1899), famed surgeon of London’s St. Bartholomew’s Hospital, is remembered eponymously for his description of chronic disorders of the mammary areola preceding cancer of the mammary glands (Paget’s disease). As early as 1853, Paget advanced the view that cancer often erupted locally and only later resulted in such widespread occurrence as to give the appearance of a constitutional character. In this connection, he coined a term now used in another context: “Do they [species and varieties of cancer] imply so many essentially and originally different morbid materials? or is there one material for cancer, one carcinogen, which, like an organic radical, may form different yet closely allied compounds, in its combinations with the various substances provided by different bloods, or different parts?” [J. Paget, Lectures on Surgical Pathology, delivered at the Royal College of Surgeons of England (2 volumes), Vol. 2, p. 590, London: Longman, Brown, Green, and Longman, 1853].

Récamier (right) is shown in a lithograph, circa 1840, by Alphonse Farcy, obtained from the National Library of Medicine. The portrait of Paget (left), circa 1867, by George Richmond, is by courtesy of the College of Physicians and Surgeons of Philadelphia.