

## Désiré Collen

### List Selected Publications

#### I. Research articles

21. Collen D.  
Identification and some properties of a new fast-reacting plasmin inhibitor in human plasma.  
Eur. J. Biochem. 69, 209-216, 1976.  
(355 times cited)
34. Wiman B., Collen D.  
On the kinetics of the reaction between human antiplasmin and plasmin.  
Eur. J. Biochem. 84, 573-578, 1978.  
(320 times cited)
63. Matsuo O., Rijken D.C., Collen D.  
Thrombolysis by human tissue plasminogen activator and urokinase in rabbits with experimental pulmonary embolus.  
Nature 291, 590-591, 1981.  
(245 times cited)
64. Rijken D.C., Collen D.  
Purification and characterization of the plasminogen activator secreted by human melanoma cells in culture.  
J. Biol. Chem. 256, 7035-7041, 1981.  
(807 times cited)
77. Hoylaerts M. Rijken D.C., Lijnen H.R., Collen D.  
Kinetics of the activation of plasminogen by human tissue plasminogen activator. Role of fibrin.  
J. Biol. Chem. 257, 2912-2919, 1982.  
(1233 times cited)
86. Pennica D., Holmes W.E., Kohr W.J., Harkins R.N., Vehar G.A., Ward C.A., Bennett W.F., Yelverton E., Seeburg P.H., Heyneker H.L., Goeddel D.V., Collen D.  
Cloning and expression of human tissue-type plasminogen activator cDNA in E. coli.  
Nature 301, 214-221, 1983.  
(1214 times cited)
93. Bergmann S.R., Fox K.A.A., Ter-Pogossian M.M., Sobel B.E., Collen D.  
Clot-selective coronary thrombolysis with tissue-type plasminogen activator.  
Science 220, 1181-1183, 1983.  
(229 times cited)

98. Van de Werf F., Ludbrook P.A., Bergmann S.R., Tiefenbrunn A.J., Fox K.A.A., De Geest H., Verstraete M., Collen D., Sobel B.E.  
Coronary thrombolysis with tissue-type plasminogen activator in patients with evolving myocardial infarction.  
N. Engl. J. Med. 310, 609-613, 1984.  
(371 times cited)
124. Collen D., Topol E.J., Tiefenbrunn A.J., Gold H.K., Weisfeldt M.L., Sobel B.E., Leinbach R.C., Brinker J.A., Ludbrook P.A., Yasuda T., Bulkley B.H., Robison A.K., Hutter A.M., Bell W.R., Spadaro J.J., Khaw B.A., Grossbard E.B.  
Coronary thrombolysis with recombinant human tissue-type plasminogen activator: a prospective, randomized, placebo-controlled trial.  
Circulation 70, 1012-1017, 1984.  
(411 times cited)
275. Lijnen H.R., Van Hoef B., De Cock F., Okada K., Ueshima S., Matsuo O., Collen D.  
On the mechanism of fibrin-specific plasminogen activation by staphylokinase.  
J. Biol. Chem. 266, 11826-11832, 1991.  
(151 times cited)
344. Collen D., Van de Werf F.  
Coronary thrombolysis with recombinant staphylokinase in patients with evolving myocardial infarction.  
Circulation 87, 1850-1853, 1993.  
(118 times cited)
365. Carmeliet P., Schoonjans L., Kieckens L., Ream B., Degen J., Bronson R., De Vos R., van den Oord J.J., Collen D., Mulligan R.C.  
Physiological consequences of loss of plasminogen activator gene function in mice.  
Nature 368, 419-424, 1994.  
(891 times cited)
397. Carmeliet P., Ferreira V., Breier G., Pollefeyt S., Kieckens L., Gertsenstein M., Fahrig M., Vandenhoek A., Harpal K., Eberhardt C., Declercq C., Pawling J., Moons L., Collen D., Risau W., Nagy A.  
Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele.  
Nature 380, 435-439, 1996.  
(2988 time cited)
602. Nagai N., Demarsin E., Van Hoef B., Wouters S., Cingolani D., Laroche Y., Collen D.  
Recombinant human microplasmin: Production and potential therapeutic properties.  
J. Thromb. Haemost. 1, 307-313, 2003.  
(72 times cited)

## II. Review articles

8. Collen D.  
On the regulation and control of fibrinolysis. Edward Kowalski Memorial Lecture.

Thromb. Haemost. 43, 77-89, 1980.  
(1225 times cited)

114. Collen D.  
Staphylokinase: a potent, uniquely fibrin-selective thrombolytic agent.  
Nature Med. 4, 279-284, 1998.  
(114 times cited)
123. Collen D.  
The plasminogen (fibrinolytic) system.  
Marian Barnhart Lecture.  
Thromb. Haemost. 82, 259-270, 1999.  
(296 times cited)
166. Collen D., Lijnen H.R.  
Tissue-type plasminogen activator: a historical perspective and personal account.  
J. Thromb. Haemost. 2, 541-546, 2004.  
(79 times cited)

### III. Patents: Selected List

US 4,752,603

Collen D., Rijken D., Matsuo O.  
Plasminogen activator and pharmaceutical composition having thrombolytic activity.  
US 4,752,603, 21 June 1988.

US 5,336,495

Collen D, Stassen J.M., Lijnen H.R.  
Use of Staphylokinase for the preparation of a pharmaceutical composition for treating arterial thrombosis.  
US 5,336,495, 9 August 1994.

US 7,445,775 B2

Collen D., Nagai N., Laroche Y.  
Yeast expression vector and a method of making a recombinant protein by expression in a yeast cell.  
US 7,445,775 B2, 4 November 2008.