

## Retraction

# Retracted: Recent Trends of Polymer Mediated Liposomal Gene Delivery System

### BioMed Research International

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BioMed Research International has retracted the article titled “Recent Trends of Polymer Mediated Liposomal Gene Delivery System” [1]. The article was found to contain a substantial amount of material from a number of published articles, including the following sources:

(i) L. E. van Vlerken, T. K. Vyas, and M. M. Amiji, “Poly(ethylene glycol)-Modified Nanocarriers for Tumor-Targeted and Intracellular Delivery,” *Pharmaceutical Research*, vol. 24, no. 8, pp. 1405–1414, 2007, <https://doi.org/10.1007/s11095-007-9284-6> [2] (cited as [98]).

(ii) Daniel A. Balazs and W.T. Godbey, “Liposomes for Use in Gene Delivery,” *Journal of Drug Delivery*, vol. 2011, Article ID 326497, 12 pages, 2011, <https://doi.org/10.1155/2011/326497> [3] (not cited).

(iii) Vladimir P. Torchilin, “Recent Advances with Liposomes as Pharmaceutical Carriers,” *Nature Reviews Drug Discovery*, vol. 4, no. 2, pp. 145–160, 2005, <https://doi.org/10.1038/nrd1632> [4] (cited as [35]).

(iv) Arcadio Chonn and Pieter R Cullis, “Recent Advances in Liposome Technologies and Their Applications for Systemic Gene Delivery,” *Advanced Drug Delivery Reviews*, 1998, [https://doi.org/10.1016/S0169-409X\(97\)00108-7](https://doi.org/10.1016/S0169-409X(97)00108-7) [5] (not cited).

(v) Marika Ruponen, Seppo Ylä-Herttuala, and Arto Urtti, “Interactions of Polymeric and Liposomal Gene Delivery Systems with Extracellular Glycosaminoglycans: Physicochemical and Transfection Studies,” *Biochimica et Biophysica Acta: Biomembranes*, vol. 1415, no. 2, pp. 331–341, 1999, [https://doi.org/10.1016/S0005-2736\(98\)00199-0](https://doi.org/10.1016/S0005-2736(98)00199-0) [6] (cited as [138]).

The authors do not agree to the retraction.

## References

[1] S. K. Kundu, A. R. Sharma, S. S. Lee et al., “Recent trends of polymer mediated liposomal gene delivery system,” *BioMed*

*Research International*, vol. 2014, Article ID 934605, 15 pages, 2014.

[2] L. E. van Vlerken, T. K. Vyas, and M. M. Amiji, “Poly(ethylene glycol)-modified nanocarriers for tumor-targeted and intracellular delivery,” *Pharmaceutical Research*, vol. 24, no. 8, pp. 1405–1414, 2007.

[3] D. A. Balazs and W. T. Godbey, “Liposomes for use in gene delivery,” *Journal of Drug Delivery*, vol. 2011, Article ID 326497, 12 pages, 2011.

[4] K.-L. Kuo and D.-C. Tarn, “Oxidative stress in chronic kidney disease,” *Adaptive Medicine*, vol. 2, no. 2, pp. 87–94, 2010.

[5] A. Chonn and P. R. Cullis, “Recent advances in liposome technologies and their applications for systemic gene delivery,” *Advanced Drug Delivery Reviews*, vol. 30, no. 1-3, pp. 73–83, 1998.

[6] M. Ruponen, S. Ylä-Herttuala, and A. Urtti, “Interactions of polymeric and liposomal gene delivery systems with extracellular glycosaminoglycans: Physicochemical and transfection studies,” *Biochimica et Biophysica Acta (BBA) - Biomembranes*, vol. 1415, no. 2, pp. 331–341, 1999.