

Preface

Secretion is the movement of material from one point to another, such as a secreted chemical substance from a cell or gland. In contrast, excretion is the removal of certain substances or waste products from a cell or organism. The classical mechanism of cell secretion is via secretory portals at the plasma membrane called porosomes. Porosomes are permanent cup-shaped lipoprotein structures embedded in the cell membrane, where secretory vesicles transiently dock and fuse to release intra-vesicular contents from the cell.¹

In the present book, ten typical literatures about Single-cell secretion research published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on Single-cell secretion research. We hope this book can demonstrate advances in Single-cell secretion research as well as give references to the researchers, students and other related people.

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¹ <https://en.wikipedia.org/wiki/Secretion>