

DR. TAKAMINE AND ADRENALIN, MORE THAN JUST A DISCOVERY

IN THIS SERIES, WE WOULD LIKE TO ACQUAINT YOU WITH ONE EPISODE IN THE LIFE OF DR. JOKICHI TAKAMINE. IN THIS EPISODE YOU WILL LEARN ABOUT THE DISCOVERY OF ADRENALIN WHICH REVOLUTIONIZED THE WORLD OF MEDICINE.



LATE 19TH CENTURY, SCIENTISTS COMMUNITY TRY TO ISOLATE AND PURIFY THE BIOLOGICAL COMPOUND PRODUCED BY THE SUPRARENAL GLANDS... WITHOUT CLEAR SUCCESS.

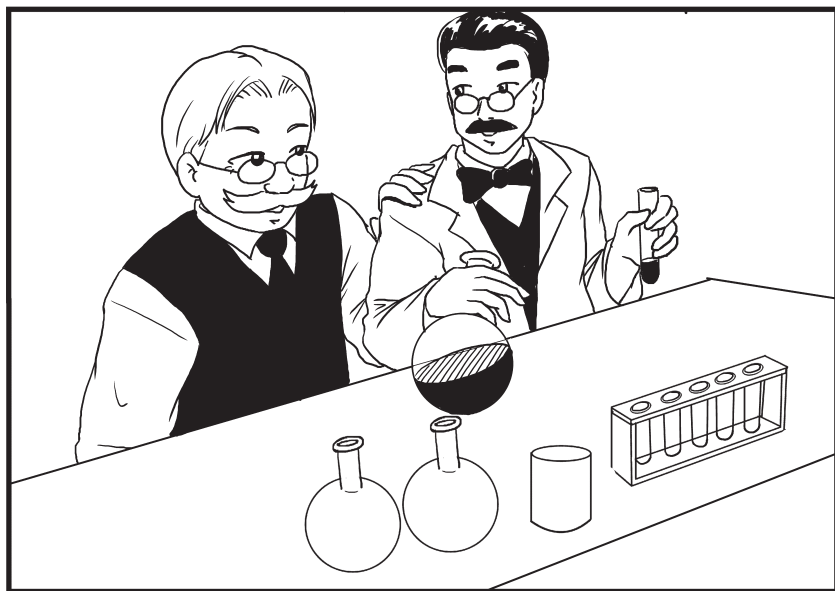
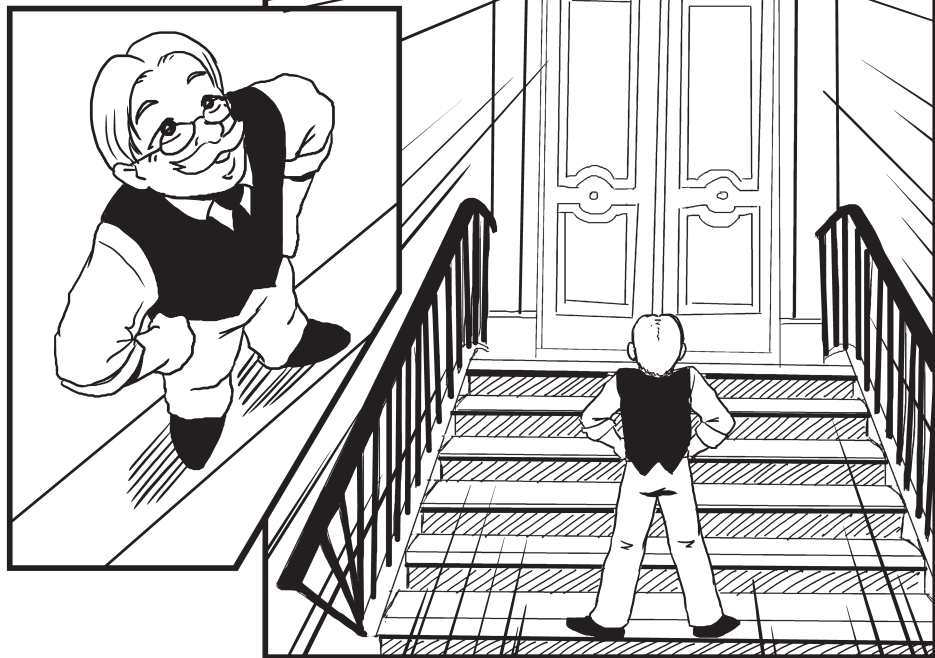


JOKICHI TAKAMINE
(1854-1977)

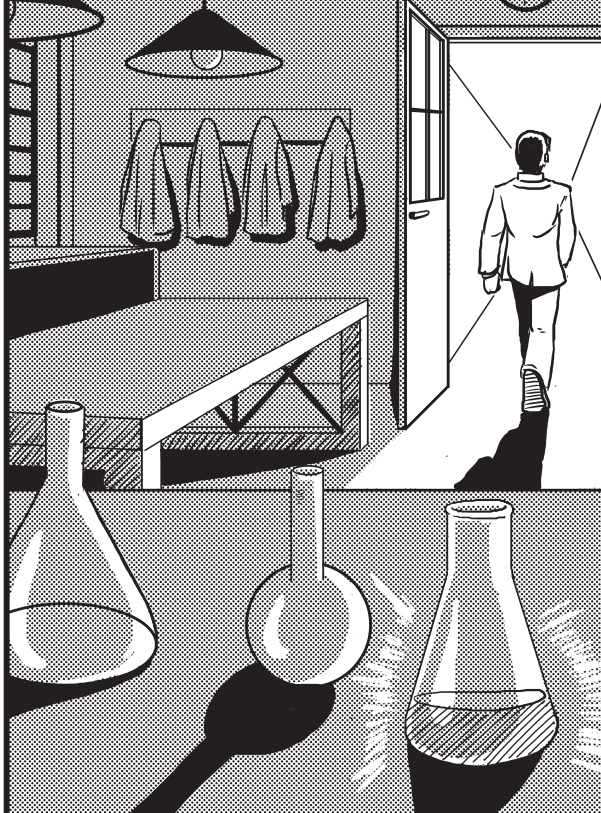
DOCTOR TAKAMINE IS RECOGNIZED AS ONE OF THE FATHERS OF BIOTECHNOLOGY, AND IS AT THE ORIGIN OF THE ENZYME INDUSTRY. HE CONTRIBUTED VERY POSITIVELY TO THE RELATIONSHIP BETWEEN JAPAN AND THE USA. HIS LIFE HAS INSPIRED AND STILL INSPIRES MANY ENTREPRENEURS.

MEANWHILE, DR. TAKAMINE MOVED WITH HIS FAMILY TO NEW YORK CITY IN 1894.

1897-1898.
DR. TAKAMINE ESTABLISHED
HIS LABORATORY...



THEN, HE HIRED MR KEIZO UENAKA, A YOUNG JAPANESE CHEMIST.



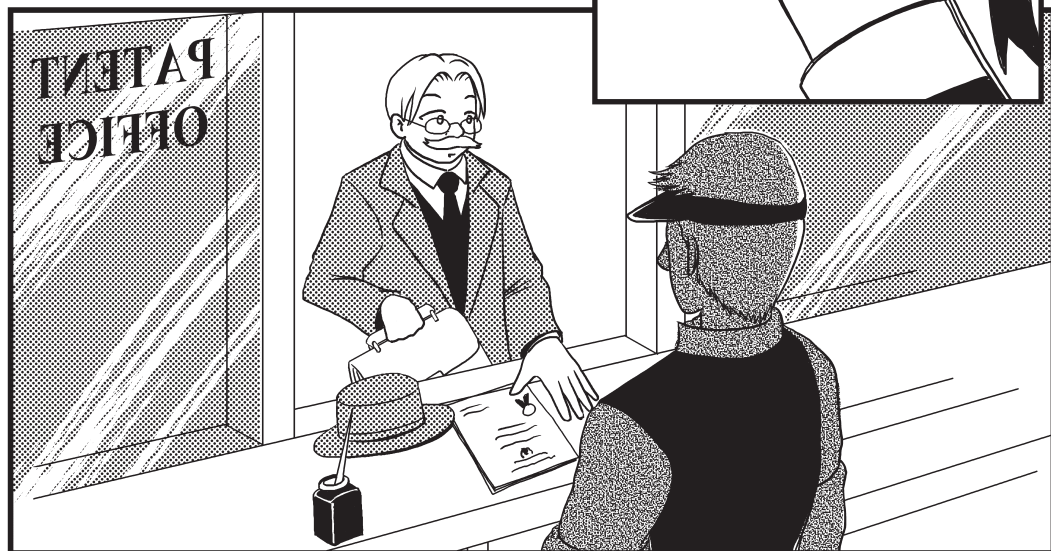
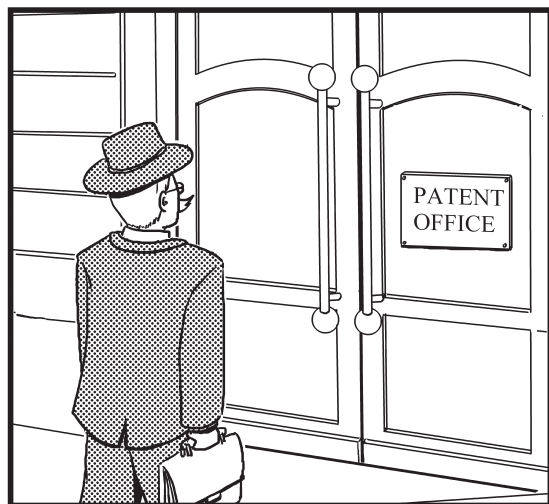
UENAKA, AFTER A LONG DAY OF WORK, RETURNED HOME WITHOUT CLEANING HIS LABORATORY EQUIPMENTS...



AND THE NEXT MORNING... HE OBSERVED THE FAMOUS CRYSTALLIZED MOLECULE*.

*The accident of finding something good or useful while not specifically searching for it is called Serendipity. Among the accidental discoveries in science: penicillin, fermentation and pasteurization, laser treatment of cancer, and many more!

DR. TAKAMINE SUBMITTED A PATENT APPLICATION ON NOVEMBER 5TH, 1900.



WHICH BECAME WORLDWIDE FAMOUS IN 1901 UNDER THE BRAND NAME: ADRENALIN!
MORE THAN 100 YEARS LATER, ADRENALIN IS STILL SAVING MANY LIVES.

ABOUT TAKABIO

TAKABIO REPRESENTS SHIN NIHON CHEMICAL CO., LTD WHICH PRODUCE ENZYMES IN JAPAN. THE NAME TAKABIO COMES FROM TAKA, TRIBUTE TO JOKICHI TAKAMINE, AND BIO FOR BIOLOGY.