

Future technologies and market developments of Life Science and Diagnostics in India

Dr. Bhunesh Agrawal, Eppendorf AG, Head of Market Region Asia Pacific Africa,
Hamburg, Germany

Abstract:

India has been a land of science from times immemorial, including in life sciences. The close study of humans and nature led to the birth of Ayurveda, some of which has been used by western medicine as well, such as diagnostics (diabetes), medicines (reserpine and ajmaline) and surgery (Hindu nose plastic surgery). Today the government spends 0.86 % of the GDP on research, considered on the lower end of the scale. India has tremendous talent and therefore there are huge opportunities moving forward.

Future technologies will include topics such as IT/ Data/ Digitization associated topics, -omics, nanotechnology and new methods including the already available methods like CRISPR and CAR-T.

On the lab side the challenge will be to bridge the challenges of complexity, turnaround time, quality and costs. Indian labs have devised different models to take up these challenges and many are able to provide services at a world class level.

The attempt of the presentation will be to give a broad overview, especially of the technologies, with less depth with short mention of the market issues. India has significant potential both in life science and diagnostics.