UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
Under the Securities Exchange Act of 1934

For the month of August, 2018

Commission File Number 001-38367

SOL-GEL TECHNOLOGIES LTD.
(Translation of registrant's name into English)

7 Golda Meir Street
Ness Ziona 7403650, Israel
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): ☐

Attached hereto and incorporated by reference herein are the following documents:

Exhibit 99.1: Press Release entitled "*Sol-Gel Technologies Announces Collaborative Agreement for Generic Product with Perrigo*".

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

SOL-GEL TECHNOLOGIES LTD.

Date: August 15, 2018

By: */s/ Gilad Mamlok*
Gilad Mamlok
Chief Financial Officer

Exhibit 99.1

Sol-Gel Technologies Announces Collaborative Agreement for Generic Product with Perrigo

Ness Ziona, Israel, **August 15, 2018** – Sol-Gel Technologies Ltd. (NASDAQ: SLGL) (“Sol-Gel” or the “Company”), a clinical-stage dermatology company focused on identifying, developing and commercializing branded and generic topical drug products for the treatment of skin diseases, today announced it has entered into a collaborative agreement with Perrigo Israel, an affiliate of Perrigo Company plc ("Perrigo") (NYSE; TASE: PRGO), for the development, manufacturing and commercialization of a generic product candidate.

Under the terms of the agreement, Perrigo will conduct the regulatory, scientific, clinical and technical activities necessary to develop the generic product candidate and seek regulatory approval with the U.S Food and Drug Administration (“FDA”). If approved by the FDA, Perrigo has agreed to commercialize the generic product candidate in the United States. Sol-Gel and Perrigo will share the development costs and the gross profits generated from the sales of the generic product candidate, if approved.

“The expansion of our generic product agreement with Perrigo is another important step in advancing our generic business. Our generic business includes ivermectin cream, 1%, sponsored by Perrigo, for which we have the FDA’s tentative approval as of January 29, 2018, and five generic drug candidates, three of which are being developed with Perrigo and one being developed with Douglas Pharmaceuticals,” stated Dr. Alon Seri-Levy, Chief Executive Officer of Sol-Gel.

About Perrigo

Perrigo Company plc, a leading global healthcare company, delivers value to its customers and consumers by providing Quality Affordable Healthcare Products®. Founded in 1887 as a packager of home remedies, Perrigo has built a unique business model that is best described as the convergence of a fast-moving consumer goods company, a high-quality pharmaceutical manufacturing organization and a world-class supply chain network. Perrigo is the world's largest manufacturer of over-the-counter ("OTC") healthcare products and supplier of infant formulas for the store brand market. The Company also is a leading provider of branded OTC products throughout Europe, as well as a leading producer of "extended topical" prescription drugs. Perrigo, headquartered in Ireland, sells its products primarily in North America and Europe, as well as in other markets, including Australia, Israel and China. Visit Perrigo online at (http://www.perrigo.com).

About Sol-Gel Technologies

Sol-Gel is a clinical-stage dermatology company focused on identifying, developing and commercializing branded and generic topical drug products for the treatment of skin diseases. Sol-Gel’s current product candidate pipeline consists of late-stage branded product candidates that leverage our proprietary, silica-based microencapsulation technology platform, and several generic product candidates across multiple indications. For additional information, please visit www.sol-gel.com.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this press release that do not relate to matters of historical fact should be considered forward-looking statements. These statements are neither promises nor guarantees, but involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statement, including but not limited to, the following: the fact that we have and expect to continue to incur significant losses; our need for additional funding, which may not be available; our ability to complete the development of our product candidates; our ability to obtain and maintain regulatory approvals for our product candidates in our target markets and the possibility of adverse regulatory or legal actions relating to our product candidates even if regulatory approval is obtained; the initiation, timing, progress and results of our clinical trials and other product candidate development efforts; our ability to rely on data from our Phase II TWIN trial to advance the development of SIRS-T; our ability to commercialize our product candidates; our ability to obtain and maintain adequate protection of our intellectual property; our ability to manufacture our product candidates in commercial quantities, at an adequate quality or at an acceptable cost; our ability to establish adequate sales, marketing and distribution channels; acceptance of our product candidates by healthcare professionals and patients; the possibility that we may face third-party claims of intellectual property infringement; the timing and results of clinical trials that we may conduct or that our competitors and others may conduct relating to our or their products; intense competition in our industry, with competitors having substantially greater financial, technological, research and development, regulatory and clinical, manufacturing, marketing and sales, distribution and personnel resources than we do; potential product liability claims; potential adverse federal, state and local government regulation in the United States, Europe or Israel; and loss or retirement of key executives and research scientists. These and other important factors discussed in the Company's Annual Report on Form 20-F filed with the Securities and Exchange Commission ("SEC") on March 26, 2018 and our other reports filed with the SEC could cause actual results to differ materially from those indicated by the forward-looking statements made in this press release. Any such forward-looking statements represent management's estimates as of the date of this press release. While we may elect to update such forward-looking statements at some point in the future, we disclaim any obligation to do so, even if subsequent events cause our views to change.

For further information, please contact:

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Sol-Gel
Advanced Topical Therapy